

 <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>			Complete if Known		
			Application Number	09/362,693	
			Filing Date	07/29/1999	
			First Named Inventor	Mills	
			Group Art Unit	1745	
			Examiner Name	Kalafut	
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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ^w (if known)			
		3,253,884		Jung, et al.	05-31-1966	
		3,462,622		Cann et al.	08-1969	
		4,000,036		Ensley	12-1976	
		4,095,118		Rathbun	06-1978	
		4,149,931		Christensen	04-1979	
		4,155,712		Taschek	05-22-1979	
		4,202,004		Anderson	05-1980	
		4,337,126		Gilligan, III et al.	06-29-1982	
		4,353,871		Bartilt, et al.	10-12-1982	
		4,464,990		Bendler	08-14-1984	
		4,488,490		Betts	12-18-1984	
		4,694,755		Ibarra	10-22-1987	
		4,702,894		Cornish	10-27-1987	
		4,792,725		Levy et al.	12-1988	
		4,808,286		Angelo, II	02-28-1989	
		4,957,727		Bogdanovic	09-18-1990	
		5,273,635		Gernert	12-28-1993	
		5,449,434		Hooke et al.	09-1995	
		5,577,090		Moses	11-1996	

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		5,593,640		Long, et al.	01-14-1997	
		5,669,975		Ashtiani	09-1997	
		5,761,481		Kadoch et al.	06-1998	
		5,789,744		Spence, et al.	08-04-1998	
		5,801,971		Ohta	09-1998	
		5,819,073		Nakamura	10-1998	
		5,838,760		Moses	11-1998	
		5,864,322		Pollon et al.	01-1999	
		5,883,005		Minton et al.	03-1999	
		5,888,414		Collins et al.	03-1999	
		5,969,470		Druz et al.	10-1999	
		6,024,935		Mills, et al.	02-15-2000	
		6,064,154		Crouch et al.	05-2000	
		6,149,829		Takamatsu et al.	11-2000	
		6,150,755		Druz et al.	11-2000	
		6,151,532		Barone et al.	11-2000	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
		WO	99/26078	A1	Mills	5-27-1999		
		WO	99/34322	A1	Mills	7-8-1999		
		WO	00/07931	A1	Mills	02-17-2000		
		WO	00/07932	A2	Mills	2-17-2000		
		WO	00/25320	A1	Davies	05-04-2000		
		WO	01/095944	A2	Mills	12-20-2001		
		WO	01/18948	A1	Mills	3-15-2001		
		WO	01/21300	A2	Mills	03-29-2001		
		WO	01/22472	A2	Mills	3-29-2001		
		WO	01/70627	A3	Mills	08-27-2001		
		WO	02/08787	A2	De Geus	01-31-2002		
		WO	02/087291	A2	Mills	10-31-2002		
		WO	02/088020	A2	Mills	11-7-2002		

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		WO	02/16956	A1	Mills	2-28-2002		
		WO	03/093173	A2	Mills	11-13-2003		
		WO	03/066516	A2	Mills	8-14-2003		
		WO	04/092058	A2	Mills	10-28-2004		
		WO	05/041368	A2	Mills	10-6-2005		
		WO	05/067678	A2	Mills	7-28-2005		
		WO	2005/116630	A1	Mills	12-08-2005		
		WO	2007/051078	A1	Mills	05-03-2007		
		WO	2007/053486	A1	Mills	05-10-2007		
		GB	2 343 291		Lloyd Wise, Tregear & Co	05-13-2000		
		JP	2002008892A		Shimazu	01-2002		

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		S. Aaronson, "Hydrino Theory: Which Overturns Quantum Theory, Is in Turn Overturned by Doofusino Theory," < http://www.scottaaronson.com/writings/doofusino.html >	
		"Atomic Physics Progress Report 1995-1996" (internet page) atomp2.fysik.lth.se/AFDOCS/Progrep956/contents.asp (author and date unknown)	
		"Atomic Spectroscopy" (internet page) physics.nist.gov/Pubs/AtSpec/node20.html (author and date unknown)	
		Baard, Erik. "The Empire Strikes Back." <i>The Village Voice</i> , April 26-May 2, 2000	
		Baard, Erik. "Quantum Leap." <i>The Village Voice</i> , Dec 22-28, 1999.	
		Baard, Erik. "Researcher Claims Power Tech That Defies Quantum Theory." <i>Dow Jones Newswires</i> , Oct 6, 1999.	
		Baard, Erik, "Hydrino Theorist Gets Nod From NASA-Funded Investigation Eureka?", <i>The Village Voice</i> , Dec. 6, 2002	
		Barmann et. al. "Spatially and Temporally Resolved Studies of the Electron Density in Liquid Streamers by Emission Spectroscopy" (Internet page) atomp2.fysic.lth.se/AFDOCS/Progrep956/5al.htm (Atomic Physics Progress Report) (1995-1996)	
		Barth, "Bigger Than Fire?", Gale Group Magazine DB, The Gale Group, 2003, Skeptic, Vol. 8, No. 4, (2001)	
		Barton, et al, "Investigating Radio Frequency Plasmas Used for the modification of Polymer Surfaces." <i>J. Phys. Chem. B</i> , Vol 103, 1999, pp. 4423-4430.	
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		R. W. Bass, "Email from Bob Bass to Randell Mills," August 6, 2000.	
		Beiser, A. <i>Concepts of Modern Physics</i> , Fourth Edition, McGraw-Hill Book Company, New York, 1978, p. 407.	
		Best, Ben. "The Copenhagen Interpretation of Quantum Mechanics." (internet page) www.benbest.com/science/quantum.html . (no date listed)	
		"The Biggest Venture Capital Conference of the Year is Quickly Approaching," Special to Evening Bulletin 09/29/2006, < http://www.theeveningbulletin.com/site/news.cfm?newsid=17263371&BRD=2737&PAG=461&dest_id=576268-f5-63 >	
		Blacklight Power, Inc., "Second Shareholder Newsletter '97" < http://web.archive.org/web/19980212141859/blacklightpower.com/sharenews2.html >	
		Bogaerts, et al. "Effects of adding hydrogen to an argon glow discharge: overview of relevant processes and some qualitative explanations." <i>Journal of Analytical Atomic Spectrometry</i> , March 2000.	
		Boniface, et. al. "Calorimetry for a Ni/K ₂ CO ₃ Cell." AECL Research, June 1994.	
		Bradford. "A Calorimetric Investigation of the Reaction of Hydrogen with Sample PSU #1." A Confidential Report submitted to Hydrocatalysis Power Corporation, September 1994.	
		Brewer, Shelby T. Book review of "The grand Unified Theory of Classical Quantum Mechanics (Hardcover) by Randell L., Dr. Mills." (internet page) http://www.amazon.com/gp/product/product-description/0963517139/ref=dp_proddesc_0/103-5711659-8507030 (date unknown)	
		Carolina, et al. "Effect of Dielectric Constant, Cavities in Series and Cavities in Parallel on the Product Distribution of the Oligomerization of Methane via Microwave Plasmas." <i>J. Phys. Chem.</i> , Vol 100, 1996, pp. 17866-17872.	
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		Chemistry Course Listings in MIT OpenCourseWare. MIT 2005. http://ocw.mit.edu/Ocw/Web/Chemistry/index.htm	
		"The Chemistry of Halogens," http://chemed.chem.purdue.edu/genchem/topicreview/bp/ch10/group7.html	
		CiteSeer, "Citations: Observation of Extreme Ultraviolet Hydrogen Emission from Incandescently Heated Hydrogen Gas with Strontium that Produced an Anomalous Optically Measured Power Balance," Int. J. Hydrogen Energy 26 (4) 2001, pg. 309-326 http://citeseer.ist.psu.edu/conference/1740602/1740602.pdf	
		Clark, et. al. "Excess Energy Cell Final Report." April 1995.	
		Collins, "Selling the Free Lunch," Scientific American, (Nov, 2002)	
		Condon, et. al. "The Theory of Atomic Spectra." MacMillan Company: New York. 1935. pp. 44-78, 112-146.	
		Conrads, et. al. "Emission in the Deep Vacuum Ultraviolet from an Incandescently Driven Plasma in a Potassium Carbonate Cell", <i>Plasma Sources Science and Technology</i> , submitted.	
		Conversion Table cgs/Si-Units. www.plasmaphysics.org.uk/convers.htm	
		Cvetanovic et. al. "Excessive Balmer line broadening in a plane cathode abnormal glow discharge in hydrogen." <i>Journal of Applied Physics</i> 97. 18 January 2005.	
		Dennis "Hidden Variables and Relativistic Tachyons" (internet page) www.objectivescience.com/articles/ed_tachy.htm (Date unknown)	
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		Dery et. al. "Effect of Dielectric constant, Cavities in Series, and Cavities in Parallel on the Product Description of the Oligomerization of Methane via Microwave Plasmas." <i>Journal of Physical Chemistry</i> 1996, Vol. 100. July 8, 1996. pp. 17866-17872.	
		Directory: Blacklight Power, From PESWiki "A Top 100 Energy Technology," < http://peswiki.com/index.php/Directory:Blacklight_Power >	
		Durr, et. al. "Origin of quantum-mechanical complementarity probed by a 'which-way' experiment in an atom interferometer." <i>Nature</i> , Vol 395, September 3, 1998, pp. 33-37.	
		EarthTech Reports, http://www.earthtech.org/experiments/blp/prelim.html	
		EarthTech Reports, http://www.earthtech.org/experiments/mills/mills1.html "Attempt to Observe Excess Heat in a Ni-H ₂ O-K ₂ CO ₃ Electrolysis System-9OCT97"	
		Evans, et. al. "Time-of-Flight Secondary Ion Mass Spectroscopy (TOF-SIMS) Surface Analysis Report." CE & A Number 40150, March 1994, available at http://www.cea.com/inst.htm#esca2 .	
		Evans Analytical Group, http://www.cca.com/tech.htm#esca1	
		Dr. Ess, "History and Philosophy of Science," www.drury.edu/ess/philsci/bell.html	
		E-mail to Examiner Wayner from Jeffrey A. Simenauer, dated _____	
		Fischer. "Die optische Absorption der U ₂ -Zentren in Alkalihalogenidkristallen", <i>Zeitschrift für Physik</i> , Vol 131, 1952, pp. 488-504.	
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		M. Fowler, "The Lorentz Transformation," UVa Physics 252, < http://galileo.phys.virginia.edu/classes/252/lorentztrans.html >	
		Fuchs and Peres. "Quantum Theory Needs No 'Interpretation'." <i>Physics Today</i> , March 2000, p. 70.	
		Gernert, et. al. "Anomalous Heat From Atomic Hydrogen in Contact with Potassium Carbonate." Thermacore, Inc.	
		Gottfried, "Quantum electrodynamics: Matter all in the mind", (internet page) www.nature.com/cgi-taf/DynaPage.t...e/journal/v419/n6903/full/419117a_r.html , 2002	
		Gulyaev "Gigantic Atoms in Space" (internet page) www.astronomy.org.nz/events/month...reviews/2001/gigantic_atoms_in_space.htm (date unknown)	
		Hansen, et. al. "Faradaic efficiencies less than 100% during electrolysis of water can account for excess heat in 'cold fusion' cells," J. of Physical Chem., Vol. 99, No. 18 (1997) pp. 6973-6979 (Paper I).	
		The Harvard Crimson News: Academics Question the Science Behind Blacklight Power, Inc." < http://www.the.crimson.com/printerfriendly.aspx?ref=100939 >	
		He-II in Solar Spectrum	
		Hines, "Scientific Mistakes: N-rays and Polywater", <i>Pseudoscience and the Paranormal</i> , Prometheus Books, 1988, pp. 8-13	
		http://omm.hut.fi/optics/I_o/2004/luennot/spectroscopy.pdf	
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		http://hyperphysics.phy-astr.gsu.edu/hbase/kinetic/molke.htm	
		Huizenga. "Abstract from 'New developments in the cold fusion saga'." <i>Abstracts of papers of the American Chemical Society</i> , Vol 207, March 13, 1994, pg. 6.	
		"Hydrino Theory," < http://en.wikipedia.org/wiki/hydrino_theory >	
		"The Hydrogen Atom," < http://www.physics.nmt.edu/~raymond/classes/ph13xbook/node208.html >	
		Hydrogen News 1999 < http://www.ch2bc.org/bulletin/bulletin19991112.htm >	
		The Internet Encyclopedia of Philosophy, "Logical Positivism," http://iep.utm.edu/logpos.htm	
		Jacox, et. al. "INEL XPS Report." Idaho National Engineering Laboratory, EG & G Idaho, Inc., Nov 1993.	
		Jansson. "Hydrocatalysis:: A New Energy Paradigm for the 21 st Century." A Thesis, Master of Science in Engineering Degree in the Graduate Division of Rowan University, May 1997.	
		Johansson, et. al. "A Model for the origin of the anomalous and very bright UV lines of Fe II in gaseous condensations of the star η Carinae" <i>Astronomy & Astrophysics</i> . Volume 378 (2001) pp.266-278.	
		Karplus and Porter. <i>Atoms and Molecules: An Introduction for Students of Physical Chemistry</i> , The Benjamin/Cummings Publishing Company, Menlo Park, California, 1970, p. 3, 118-123.	
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		Karplus and Porter. <i>Atoms and Molecules: An Introduction for Students of Physical Chemistry</i> , The Benjamin/Cummings Publishing Company, Menlo Park, California, 1970, p. 567.	
		Keefer, Ph.D., "Interim Report on BlackLight Power Technology: Its Apparent Scientific Basis, State of Development and Suitability for Commercialization by Liebert Corporation."	
		Kline-Anderson, Inc. "Review of Schedule and Resource Requirements to Develop a Hydrocatalysis Functional Prototype Unit." Final Report for Technology Insights, Oct 1996.	
		Kovacevic et. al. "The Dynamic Response of the Plasma on the Dust Formation in Ar/C ₂ H ₂ RF Discharges." <i>International Conference on Phenomena in Ionized Gases</i> available at http://www.iopig.uni-greifswald.de/proceedings/data/kovacevic_1 . (no date listed)	
		Kuhn, H.G. "Atomic Spectra." Academic Press: New York. 1962. pp. 114-117.	
		Kurtz, et. al. "Report on Calometric Investigations of Gas-Phase Catalyzed Hydrino Formation." Hydrocatalysis Power Corp. Report, December 1996.	
		http://omm.hut.fi/optics/lo/2004/luennot/spectroscopy.pdf	
		http://hyperphysics.phy-astr.gsu.edu/hbase/kinetic/molke.html	
		F. Laloe, "Do we really understand quantum mechanics?" Am. J. Phys., vol. 69(6), (June 2001), pp. 655-701.	
		"The Linear Stark Effect." University of Texas Leture, http://farside.ph.utexas.edu/teaching/qm/perturbation/node8.html	
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		Luque et. al. "Experimental research into the influence of ion dynamics when measuring the electron density from the Stark broadening of the H α and H β lines." <i>Journal of Physics B: Atomic, Molecular, and Optical Physics</i> , Vol. 36. 2003. pp.1573-1584.	
		Marchese et. al. "The BlackLight Rocket Engine." Phase I Final Report, Rowan University: Glassboror, NJ. May1-November 30, 2002, available at www.niac.usra.edu/files/studies/finalreport . also available at http://engineering.rowan.edu/~marchese/	
		"Material Hardness," http://www.calce.umd.edu/general/facilities/hardness_ad.htm	
		Mayo, et. al. "On the Potential of Direct and MHD Conversion of Power from a Novel Plasma Source to Electricity for Micro distributed Power Applications", <i>IEEE Transactions on Plasma Science</i> , submitted.	
		McQuarrie. "Quantum Chemistry" University Science Books: Sausalito, CA. 1983 Sections 4-3, 6-4 - 6-9, 8-5 - 8-6 and pp. 221-222.	
		Nakhmanson. "The Ghostly Solution of the Quantum Paradoxes and its Experimental Verification." <i>Frontiers of Fundamental Physics</i> . Plenum Press: New York. 1994. pp. 591-596, http://arxiv.org/ftp/physics/papers/0103/0103006.pdf	
		NIST's Physical Reference Datasheet, "Energy Levels of Hydrogen and Deuterium," <URL http://physics.nist.gov/PhysRefData/HDEL/index.html >	
		Odenthal et al., "The Zeeman Splitting of the 5876 Å Helium Line Studied by Means of a Turnable Dye Laser", <i>Physica</i> , pp. 203-216, 1982	
		Park, Robert L. "Perpetual Motion: Still Going Around." <i>Washington Post</i> , January 12, 2000, pg H03.	
		Park, What's New, Friday 03/17/2006	
Examiner Signature			Date Considered

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known		
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		Park, What's New, Friday 01/13/2006	
		Park, What's New, Friday 04/26/1991	
		Peterson. "Evaluation of Heat Production from Light Water Electrolysis Cell of Hydrocatalysis Power Corporation." Draft, <i>Westinghouse STC</i> , Feb 1994.	
		Phillips, et. al. "Additional Calorimetric Examples of Anomalous Heat From Physical Mixture of K/Carbon and PD/Carbon." Consulting Report, Jan 1996.	
		Plasmaphysics.org. Conversion Table: cgs/SI- units. (internet page) www.plasmaphysics.org.uk/convers.htm . (no author or date listed)	
		Platt, Charles. "Testing the Current." <i>Washington Post</i> . June 25, 2000, pg X05.	
		Physics 200-04 course, "Pauli Spin Matrices," http://axion.physics.ubc.ca/200-04/pauli-spin.pdf	
		Physics Web 08/05/2005, "Hydrogen results causes controversy"	
		Popov. "Electrochemical Characterization of BlackLight Power, Inc. MH as Electrodes for Li-ion Batteries." Department of Chemical Engineering University of South Carolina, Feb 2000.	
		Quantum Physics 301, "Paradoxes and Interpretation," http://www.teach.phy.bris.ac.uk/level3/phys30100/coursematerials/paradoxes.pdf	
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		Radavanov, et. al. "Ion Kinetic-Energy Distributions and Balmer- α Excitation in Ar-H ² Radio-Frequency Discharges." <i>J. Appl. Phys.</i> , Vol 78, No 2, July 15, 1995, pp. 746-756.	
		Rathke "A Critical Analysis of the Hydrino Model", New Journal of Physics, May 19, 2005, http://www.iop.org/ej/article/1367-2630/7/1/127/njp5_1_127.html	
		Real Climate, 20 January 2005, "Peer Review: A Necessary But Not Sufficient Condition," < http://www.realclimate.org/index.php?p=109 >	
		Roberts, et. al. "Hydrogen Balmer alpha line shapes for hydrogen-argon mixtures in a low-pressure rf discharge." <i>J. App. Phys.</i> , vol. 74, No11, (Dec. 1993).	
		K. L. Ross, "Kantian Quantum Mechanics," http://www.friesian.com/space-2.htm	
		Shermer, "Baloney Detection", <i>Scientific American</i> , November 2001	
		Shook. "A Pragmatically Realistic Philosophy of Science." <i>Pragmatic Naturalism and Realism</i> . Prometheus Books: Amherst, NY. 2003, http://www.pragmatism.ort/shook/pragmatic_and_realistic.htm .	
		Souw, Bernard, "Coherent Telescope array with self-homodyne interferometric detection for optical communications," <i>Opt. Eng.</i> 42(11) 3139-3157 (Nov. 2003).	
		E-K Souw, "Anomalous Broadening and Splitting of Hel and ArI lines in microwave plasmas," unpublished data, 12/01/2003.	
		Thermacore, Inc. "SBIR Phase I Nascent Hydrogen: An Energy Source." Final Report, March 1994.	
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		Thorne, et. al. "Recombination during the Electrolysis of Light Water in 0.6 M K ₂ CO ₃ Can It Account for the Reports of Excess Heat?" <i>Departments of Physics and Chemistry, Brigham Young University</i> , June 1993.	
		Time 2 wake up: "New Power SOURCE that turns physics on its head," 11/09/2005.	
		Turner. "Declaration of Dr. Gary L. Turner." 24 August 2004.	
		U.S. Department of Commerce, Summary of Ethics Rules, USPTO, 2000; October 15, 2004	
		Videnovic, et al. "Spectroscopic investigations of a cathode fall region of the Grimm-type glow discharge." <i>Spectrochimica Acta Part B</i> , Vol 51, 1996, pp. 1707-1731.	
		Welcome to MIT's OpenCourseWare Home Page. MIT 2005. http://ocw.mit.edu/index.html	
		Weisskopf, V.F. "Recent developments in the theory of the electron." <i>Reviews of Modern Physics</i> , Vol 21, No 2, 1949, pp. 305-315.	
		Wikipedia, Chapter 9: "Peer Review and Fraud," < http://en.wikipedia.org/wiki/peer_review#peer_review_and_fraud >	
		"XPS (EASC) –SAM," http://www.noveonic.com/measurementscience/analyticalservices/xpsescasam.pdf	
		Ziegler, et. al. "Electrochemical Experiments in Cold Nuclear-Fusion." <i>Physical Review Letters</i> , Vol 62, No 25, June 19, 1989, pp. 2929-2932.	
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		CRITCHLEY et al., "Energy shifts and forbidden transitions in H ₂ due to electronic g/u symmetry breaking", Molecular Physics, 2003, Vol. 101, Nos. 4-5, pp. 651-661, Taylor & Francis Ltd.	
		GAMBUS et al., "Spectroscopic Study of Low-Pressure Water Plasmas and Their Reactions with Liquid Hydrocarbons", Energy & Fuels, 2002, 16, pp. 172-176, American Chemical Society	
		AKATSUKA et al., "Stationary population inversion of hydrogen in an arc-heated magnetically trapped expanding hydrogen-helium plasma jet", Physical Review E, 49, 2, pp. 1534-1544, February, 1994, The American Physical Society	
		MURAKAMI et al., "Chemisorption of hydrogen into a graphite-potassium intercalation compound C ₈ K studied by means of positron annihilation", J. Chem. Phys., 62 (10), May 15, 1995, American Institute of Physics	
		AHN, "Hydrogen Storage in Metal-Modified Single-Walled Carbon Nanotubes", Division of Engineering and Applied Science, California Institute of Technology, September 15, 2001	
		DUAN et al., "Numerical calculation of energies of some excited states in a helium atom", Eur. Phys. J., D 19, (2002), pp. 9-12, Societa Italiana di Fisica, Springer-Verlag 2002	
		NIXON et al., "Formation and structure of the potassium graphites", Brit. J. Appl. Phys., Ser. 2, Vol., 1, pp. 291-299, Great Britain, 2002	
		ZELLINGER, "Experiment and the foundations of quantum physics", Reviews of Modern Physics, Vol 71, No. 2, pp. S288-S297, Centenary 1999, The American Physical Society	
		COTTON et al., "Complexes of Cyclic 2-Oxacarbenes. I. A Spontaneous Cyclization to Form a Complex of 2-Oxacyclopentylidene", Journal of the American Chemical Society, 93:11, pp. 2672-2676, June 2, 1971	
		LINDSAY et al., "A remeasurement of the 2.4μm spectrum of J = H ₂ pairs in a parahydrogen crystal", Journal of Molecular Spectroscopy, 218. Pp. 131-133, 2003	
Examiner Signature			Date Considered

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		JUAREZ et al, "Photoelectron angular distributions of rotationally resolved states in para-H ₂ ⁺ : A closer to the dynamics of molecular photoionisation", The University of Manchester Atomic, Molecular & Plasma Physics Group, 1999	
		WEISSTEIN, "Ortho-Para Hydrogen", http://scienceworld.wolfram.com/physics/Ortho-ParaHydrogen.html	
		SMITH, "Infrared spectra of BO ₂ ⁻ in the alkali halides-L. Potassium and rubidium halides", Spectrochimica Acta, Vol. 30A, pp. 875-882, Pergamon Press, 1974	
		LEITCH et al., "Raman Spectroscopy of Hydrogen Molecules in Crystalline Silicon", Physical Review Letters, 81:2, pp. 421-424, July 13, 1998, The American Physical Society	
		CHEN et al., "Key to Understanding Interstitial H ₂ in Si", Physical Review Letters, 88:10, pp. 105507-1 - 105507-4, March 11, 2002, The American Physical Society	
		CHEN et al., "Rotation of Molecular Hydrogen in Si: Unambiguous Identification of Ortho-H ₂ and Para-D ₂ ", Physical Review Letters, 88:24, pp. 245503-1 - 245503-4, June 17, 2002, The American Physical Society	
		LAVROV et al., "Ortho and Para Interstitial H ₂ in Silicon", Physical Review Letters, 89:21, pp. 215501-1 - 215501-4, November 18, 2002, The American Physical Society	
		STAVOLA et al, "Interstitial H ₂ in Si: are all problems solved?", Physica B, pp. 58-66, 200s Elsevier B.V.	
		DECIUS et al, "Force Constants of the Metaborate Ion in Alkali Halides", The Journal of Chemical Physics, 56:10, pp. 5189-5190, May 15, 1972	
		"Infrared spectra of the metaborate ion in alkali halide solid solution", Research Notes, pp. 600-602	
Examiner Signature			Date Considered

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		SMITH, "Anharmonic force field of the metaborate ion in alkali halides", The Journal of Chemical physics, 58:11, pp. 4776-4778, June 1, 1973	
		HISATSUNE et al., "Infrared Spectra of Metaborate Monomer and Trimer Ions", Inorganic Chemistry, pp. 168-174	
		JONES et al., "Force Constants of Nickel Carbonyl from Vibrational Spectra of Isotopic Species", The Journal of Chemical Physics, 48:6, pp. 2663-2670, March 15, 1968	
		SMITH, "Infrared spectra of BO ₂ -in the alkali halides-I. Potassium and rubidium halides", Spectrochimica Acta, 30A, pp. 875-882, 1974, Pergamon Press	
		SCHOENFELDER et al., "Kinetics of Thermal Decomposition of TiH ₂ ", J. Vac. Sci. Technol., 10:5, pp. 862-870, Sept./Oct. 1973	
		"Emission Characteristics for Scandium Type Dispenser Cathodes", HeatWave Labs, Inc., TB-119, May 24, 2001, Spectra-Mat, Inc.	
		"Emission Characteristics of 'M Type' Dispenser Cathodes", HeatWave Labs, Inc., TB-117, May 24, 2001, Spectra-Mat, Inc.	
		"Practical Aspects of Modern Dispenser Cathodes", Microwave Journal, September, 1979	
		"Standard Series Barium Tungsten Dispenser Cathodes", HeatWave Labs, Inc., TB-198, July 29, 2002, Spectra-Mat, Inc.	
		ABATE et al., "Optimization and enhancement of H- ions in a magnetized sheet plasma", Review of Scientific Instruments, 71:10, pp. 3689-3695, October 2000, American Institute of Physics	
Examiner Signature			Date Considered

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known		
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		CHABERT et al., "On the influence of the gas velocity on dissociation degree and gas temperature in a flowing microwave hydrogen discharge", Journal of Applied Physics, 84:1, pp. 161-167, July 1, 1999, American Institute of Physics	
		GORDON et al., "Energy coupling efficiency of a hydrogen microwave plasma reactor", Journal of Applied Physics, 89:3, pp. 1544-1549, February 1, 2001, American Institute of Physics	
		RADOVANOV et al., "Time-resolved Balmer-alpha emission from fast hydrogen atoms in low pressure, radio-frequency discharges in hydrogen", Appl. Phys. Lett., 66:20, pp. 2637-2639, May 15, 1995	
		DJUROVIC et al., "Hydrogen Balmer alpha line shapes for hydrogen-argon mixtures in a low-pressure rf discharge", J. Appl. Phys., 74:11, pp. 6558-6565, December 1, 1993, American Institute of Physics	
		KONJEVIC, "Plasma Broadening and Shifting of Non-Hydrogenic Spectral Lines: Present Status and Applications", Physics Reports, 315, pp. 339-401, 1999, Elsevier	
		BENESCH et al., "Line shapes of atomic hydrogen in hollow-cathode discharges", Optics Letters, 9:8, pp. 338-340, August 1984, Optical Society of America	
		AYERS, et al., "Shapes of atomic-hydrogen lines produced at a cathode surface", Physical Review A, 37:1, pp. 194-200, January 1, 1988, The American Physical Society	
		ADAMOV, et al., "Doppler Spectroscopy of Hydrogen and Deuterium Balmer Alpha Line in an Abnormal Glow Discharge", IEEE Transactions on Plasma Science, 31:3, pp. 444-454, June 3, 2003	
		JOVICEVIC et al., "Excessive Balmer line broadcasting in microwave-induced discharges", Journal of Applied Physics, 95:1, pp. 24-29, January 1, 2004, American Institute of Physics	
		DJUROVIC et al., "Hydrogen Balmer alpha line shapes for hydrogen-argon mixtures in a low-pressure rf discharge", J. Appl. Phys., 74:11, pp. 6558-6565, December 1, 1993, American Institute of Physics	
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		MAYO, "Thermalization and Energy Distribution in Cold Laboratory Plasmas Comments on the Possibility of Mono-Energetic Species", April 20, 2004	
		VIDENOVIC et al., "Spectroscopic investigations of a cathode fall region of the Grimm-type glow discharge", Spectrochimica Acta Part B, 51, pp. 1707-1731, 1996	
		BARBEAU et al., "Spectroscopic investigation of energetic atoms in a DC hydrogen flow discharge", pp. 1168-1174, 1990 IOP Publishing Ltd.	
		KONJEVIC et al., "Emission Spectroscopy of the Cathode Fall Region of an Analytical Glow", J. Phys. IV France, 7, pp. C4-247-C4-258, October 1997	
		LIFSHITZ et al., "Resonance absorption measurements of atom concentrations in reacting gas mixtures. I. Shapes of H and D Lyman- α lines from microwave sources", J. Chem. Phys., 70:12, pp. 5607-5613, June 15, 1979, American Institute of Physics	
		KURAICA et al., "Line shapes of atomic hydrogen in a plane-cathode abnormal glow discharge", Physical Review A, 46:7, pp. 4429-4432, October 1, 1992, The American Physical Society	
		KURAICA et al., "On the Atomic Hydrogen Line Shapes in a Plane-Cathode Obstructed Glow Discharge", Physica Scripta., 50, pp. 487-492, 1994	
		OLTHOFF et al., "Studies of Ion Kinetic-Energy Distributions in the Gaseous Electronics Conference RF Reference Cell", Journal of Research of the National Institute of Standards and Technology, 100:4, pp. 383-400, July-August 1995	
		ALEXEFF et al., "Collisionless Ion-Wave Propagation and the Determination of the Compressions Coefficient of Plasma Electrons", Physical Review Letters, 15:7, pp. 286-288, August 16, 1999	
		ARATA et al., "Reproducible 'Cold' Fusion Reaction Using a Complex Cathode", Fusion Technology, 22, pp. 287-295, September 1992	
Examiner Signature			Date Considered

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known		
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		BURKHOLDER et al., "Reactions of boron atoms with molecular oxygen. Infrared spectra of BO, BO ₂ , B ₂ O ₂ , B ₂ O ₃ , and BO ₂ in solid argon", J. Chem. Phys., 95:12, pp. 8697-8709, December 15, 1991	
		SPURGIN, "Direct Conversion of the Random Thermal Energy of a Plasma Into Electrical Energy", Master's Thesis, The University of South Florida, June 1972	
		Technology Insights, "Hydro Catalysis Technical Assessment," (Part of 09/009,837 paper no.: 20050207. This document was submitted by R. Mills on 7/17/02 in copending application 09/669,877).	
		Notes on David Peat, "Einstein's Moon: Bell's Theorem and the Curious Quest for Quantum Reality," History and Philosophy of Science-Fall, 1997-Dr. Ess. < www.drury.edu/ess/philsci/bell.html >	
		"Average Molecular Kinetic Energy", < http://hyperphysics.phy-astr.gsu.edu/hbase/kinetic/molke.html >	
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		BURKHOLDER et al., "Reactions of boron atoms with molecular oxygen. Infrared spectra of BO, BO ₂ , B ₂ O ₂ , B ₂ O ₃ , and BO ₂ in solid argon", J. Chem. Phys., 95:12, pp. 8697-8709, December 15, 1991	
		SPURGIN, "Direct Conversion of the Random Thermal Energy of a Plasma Into Electrical Energy", Master's Thesis, The University of South Florida, June 1972	
		Technology Insights, "Hydro Catalysis Technical Assessment," (Part of 09/009,837 paper no.: 20050207. This document was submitted by R. Mills on 7/17/02 in copending application 09/669,877).	
		Notes on David Peat, "Einstein's Moon: Bell's Theorem and the Curious Quest for Quantum Reality," History and Philosophy of Science-Fall, 1997-Dr. Ess. < www.drury.edu/ess/philsci/bell.html >	
		"Average Molecular Kinetic Energy", < http://hyperphysics.phy-astr.gsu.edu/hbase/kinetic/molke.html >	
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		116. K. Akhtar, J. Scharer, R. L. Mills, "Substantial Doppler Broadening of Atomic Hydrogen Lines in DC and Capacitively Coupled RF Plasmas," IEEE Transactions on Plasma Science, submitted. (Internet Publication Date: June 6, 2006.)	
		115. R.L. Mills, H. Zea, J. He, B. Dhandapani, "Water Bath Calorimetry on a Catalytic Reaction of Atomic Hydrogen," International Journal of Hydrogen Energy, in press. (Internet Publication Date: May 12, 2006)	
		114. R.L. Mills, K. Akhtar, B. Dhandapani, "Tests of Features of Field-Acceleration Models for the Extraordinary Selective H Balmer α Broadening in Certain Hydrogen Mixed Plasmas," J. Plasma Phys., submitted. (Internet Publication Date: June 24, 2005.)	
		113. R.L. Mills, "Physical Solutions of the Nature of the Atom, Photon, and Their Interactions to Form Excited and Predicted Hydrino States," Physics Essay, in press. . (Internet Publication Date: June 9, 2005.)	
		112. R. L. Mills, J. He, Y. Lu, Z. M. Nansteel, Chang, B. Dhandapani, "Comprehensive Identification and Potential Applications of New States of Hydrogen," Int. J. Hydrogen Energy, Vol. 32, (2007), 2988–3009. (Internet Publication Date: May 9, 2005.)	
		111. R. L. Mills, J. He, Z. Chang, W. Good, Y. Lu, B. Dhandapani, "Catalysis of Atomic Hydrogen to Novel Hydrogen Species H ⁺ (1/4) and H ₂ (1/4) as a New Power Source," International Journal of Hydrogen Energy, Vol. 32(13), (2007), pp. 2573–2584. (Internet Publication Date: May 6, 2005.)	
		110. R. L. Mills, J. He, Z. Chang, W. Good, Y. Lu, B. Dhandapani, "Catalysis of Atomic Hydrogen to Novel Hydrides as a New Power Source," Prepr. Pap.—Am. Chem. Soc., Div. Fuel Chem. 2005, 50(2). (Internet Publication Date: April 22, 2005.)	
		109. R. L. Mills, M. Nansteel, J. He, B. Dhandapani, "Low-Voltage EUV and Visible Light Source Due to Catalysis of Atomic Hydrogen," J. Plasma Physics, submitted. (Internet Publication Date: April 15, 2005.)	
		108. R. L. Mills, J. He, M. Nansteel, B. Dhandapani, "Catalysis of Atomic Hydrogen to New Hydrides as a New Power Source," International Journal of Global Energy Issues (IJGEI). Special Edition in Energy Systems, in press. (Internet Publication Date: April 4, 2005.)	
		107. R. L. Mills, "Maxwell's Equations and QED: Which is Fact and Which is Fiction," Physics Essays, in press. (Internet Publication Date: October 28, 2004.)	
Examiner Signature			Date Considered

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
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OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS			
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		106. R. L. Mills, "Exact Classical Quantum Mechanical Solution for Atomic Helium which Predicts Conjugate Parameters from a Unique Solution for the First Time," Physics Essays, submitted. (Internet Publication Date: October 28, 2004.)	
		105. J. Phillips, C. K. Chen, R. L. Mills, "Evidence of Catalytic Production of Hot Hydrogen in RF-Generated Hydrogen/Argon Plasmas," International Journal of Hydrogen Energy, Vol. 32, (2007), 3010–3025. (Internet Publication Date: September 7, 2004.)	
		104. R. L. Mills, Y. Lu, M. Nansteel, J. He, A. Voigt, W. Good, B. Dhandapani, "Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Division of Fuel Chemistry, Session: Advances in Hydrogen Energy, 228th American Chemical Society National Meeting, August 22-26, 2004, Philadelphia, PA.	
		103. R. L. Mills, Dhandapani, W. Good, J. He, "New States of Hydrogen Isolated from K ₂ CO ₃ Electrolysis Gases," Chemical Engineering Science, submitted. (Internet Publication Date: April 28, 2004.)	
		102. R. L. Mills, "Exact Classical Quantum Mechanical Solutions for One- through Twenty-Electron Atoms," Phys. Essays, Vol. 18, No. 3 (2005), 321–361. (Internet Publication Date: April 22, 2004.)	
		101. Mills et al. "Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Division of Fuel Chemistry, Session: Chemistry of Solid, Liquid, and Gaseous Fuels, 227th American Chemical Society National Meeting, March 28-April 1, 2004, Anaheim, CA.	
		100. Mills et al., "Highly Stable Amorphous Silicon Hydride from a Helium Plasma Reaction," Materials Chemistry and Physics, 94/2-3, (2005), pp. 298-307. (Internet Publication Date: Nov. 17, 2003.)	
		99. Mills et al., "Spectral Identification of H ₂ (1/2)," submitted.	
		98. R. L. Mills, Y. Lu, J. He, M. Nansteel, P. Ray, X. Chen, A. Voigt, B. Dhandapani, "Spectral Identification of New States of Hydrogen," New Journal of Chemistry, submitted. (Internet Publication Date: Nov. 18, 2003.)	
		97. Mills et al., "Evidence of an Energy Transfer Reaction Between Atomic Hydrogen and Argon II or Helium II as the Source of Excessively Hot H Atoms in RF Plasmas," Journal of Plasma Physics, Vol. 72, Issue 4, (2006), pp. 469-484. (Internet Publication Date: Sept. 26, 2003.)	
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		96. Mills et al., "Evidence of the Production of Hot Hydrogen Atoms in RF Plasmas by Catalytic Reactions Between Hydrogen and Oxygen Species," J. Plasma Phys., submitted. (Internet Publication Date: Sept. 12, 2003.)	
		95. Mills et al., "Excessive Balmer α Line Broadening of Water-Vapor Capacitively-Coupled RF Discharge Plasmas," IEEE Transactions on Plasma Science, submitted. (Internet Publication Date: Aug. 18, 2003.)	
		94. Mills, "The Nature of the Chemical Bond Revisited and an Alternative Maxwellian Approach," Physics Essays, Vol. 17, (2004), pp. 342-389. (Internet Publication Date: Aug. 6, 2003.)	
		93. Mills et al., "Energetic Catalyst-Hydrogen Plasma Reaction Forms a New State of Hydrogen," Doklady Chemisty, submitted.	
		92. Mills et al., "Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Central European Journal of Physics, submitted. (Internet Publication Date: June 6, 2003.)	
		91. R. Mills, P. Ray, "New H I Laser Medium Based on Novel Energetic Plasma of Atomic Hydrogen and Certain Group I Catalysts," J. Plasma Physics, submitted.	
		90. Mills et al., "Characterization of Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Am. Chem. Soc. Div. Fuel Chem. Prepr., Vol. 48, No. 2, (2003).	
		89. Mills et al., "Hydrogen Plasmas Generated Using Certain Group I Catalysts Show Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride," Fizika A, submitted.	
		88. Mills et al., "Role of Atomic Hydrogen Density and Energy in Low Power CVD Synthesis of Diamond Films," Thin Solid Films, 478, (2005), pp. 77-90. (Internet Publication Date: Dec. 22, 2003.)	
		87. Mills et al., "Liquid-Nitrogen-Condensable Molecular Hydrogen Gas Isolated from a Catalytic Plasma Reaction," J. Phys. Chem. B, submitted.	
Examiner Signature			Date Considered

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known		
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		86. Mills et al., "Novel Spectral Series from Helium-Hydrogen Evenson Microwave Cavity Plasmas that Matched Fractional-Principal-Quantum-Energy-Level Atomic and Molecular Hydrogen," European Journal of Physics, submitted. (Internet Publication Date: April 24, 2003.)	
		85. Mills et al., "Highly Pumped Inverted Balmer and Lyman Populations," New Journal of Physics, submitted.	
		84. Mills et al., "Comparison of Balmer α Line Broadening and Power Balances of Helium-Hydrogen Plasma Sources," Braz. J. Phys., submitted. (Internet Publication Date: March 12, 2003.)	
		83. Mills et al., "Comparison of Water-Plasma Sources of Stationary Inverted Balmer and Lyman Populations for a CW HI Laser," J. Appl. Spectroscopy, in preparation.	
		82. Mills et al., "Synthesis and Characterization of Diamond Films from MPCVD of an Energetic Argon-Hydrogen Plasma and Methane," Journal of Materials Science, submitted. (Internet Publication Date: May 7, 2003.)	
		81. R. Mills, et. al., "Spectroscopic and NMR Identification of Novel Hydride Ions in Fractional Quantum Energy States Formed by an Exothermic Reaction of Atomic Hydrogen with Certain Catalysts," European Physical Journal: Applied Physics, 28, (2004), pp. 83-104. (Internet Publication Date: Feb. 21, 2003.)	
		80. Mills, "The Fallacy of Feynman's Argument on the Stability of the Hydrogen Atom According to Quantum Mechanics," Annales De La Fondation Louis De Broglie, Vol. 30, No. 2, (2005), pp. 129-151. (Internet Publication Date: Jan. 27, 2003.)	
		79. Mills et al., "Comparison of Catalysts and Microwave Plasma Sources of Vibrational Spectral Emission of Fractional-Rydberg-State Hydrogen Molecular Ion," Canadian Journal of Physics, submitted.	
		78. Mills et al., "Vibrational Spectral Emission of Fractional-Principal-Quantum-Energy-Level Molecular Hydrogen", J. of the Physical Society of Japan, submitted. (Internet Publication Date: Sept. 9, 2002.)	
		77. Mills et al., "Water Bath Calorimetric Study of Excess Heat in 'Resonant Transfer' Plasmas," Journal of Applied Physics, Vol. 96, No. 6, (2004), pp. 3095-3102. (Internet Publication Date: June 16, 2003.)	
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		76. Mills et al., "Comparison of Catalysts and Microwave Plasma Sources of Spectral Emission of Fractional-Principal-Quantum-Energy-Level Atomic and Molecular Hydrogen," Journal of Applied Spectroscopy, submitted. (Internet Publication Date: Feb. 12, 2002.)	
		75. Mills et al., "Novel Liquid-Nitrogen-Condensable Molecular Hydrogen Gas," Acta Physica Polonica A, submitted. (Internet Publication Date: Oct. 29, 2002.)	
		74. Mills et al., "Spectroscopic Study of Unique Line Broadening and Inversion in Low Pressure Microwave Generated Water Plasmas," Journal of Plasma Physics, Vol. 71, Part 6, (2005), pp. 877-78. (Internet Publication Date: June 18, 2003.)	
		73. Mills et al., "Energetic Helium-Hydrogen Plasma Reaction," AIAA Journal, submitted. (Internet Publication Date: July 26, 2002.)	
		72. R. L. Mills, M. Nansteel, P. C. Ray, "Bright Hydrogen-Light and Power Source due to a Resonant Energy Transfer with Strontium and Argon Ions," Vacuum, submitted.	
		71. Mills et al., "Power Source Based on Helium-Plasma Catalysis of Atomic Hydrogen to Fractional Rydberg States," Contributions to Plasma Physics, submitted.	
		70. Mills et al., "Comparison of Catalysts and Plasma Sources of Vibrational Spectral Emission of Fractional-Rydberg-State Hydrogen Molecular Ion," The European Journal of Applied Physics, submitted. (Internet Publication Date: Sept. 2, 2002.)	
		69. Mills et al., "Spectroscopic Characterization of the Atomic Hydrogen Energies and Densities and Carbon Species During Helium-Hydrogen-Methane Plasma CVD Synthesis of Diamond Films," Chemistry of Materials, Vol. 15, (2003), pp. 1313-1321. (Internet Publication Date: Dec. 31, 2002.)	
		68. Mills, et. al. "Stationary Inverted Balmer and Lyman Populations for a CW HI Water-Plasma Laser." IEEE Transactions on Plasma Science, submitted. (Internet Publication Date: August 16, 2002)	
		67. Mills et al., "Extreme Ultraviolet Spectroscopy of Helium-Hydrogen Plasma," J. Phys. D, Vol. 36, (2003), pp. 1535-1542. (Internet Publication Date: July 17, 2002.)	
Examiner Signature			Date Considered

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		66. Mills et al., "Spectroscopic Evidence for a Water-Plasma Laser," Europhysics Letters, submitted. (Internet Publication Date: Sept. 19, 2002.)	
		65. Mills et al., "Spectroscopic Evidence for Highly Pumped Balmer and Lyman Populations in a Water-Plasma," J. of Applied Physics, submitted. (Internet Publication Date: Sept. 18, 2002.)	
		64. Mills et al., "Low Power MPCVD of Diamond Films on Silicon Substrates," Journal of Vacuum Science & Technology A, submitted. (Internet Publication Date: June 26, 2002.)	
		63. Mills et al., "Plasma Power Source Based on a Catalytic Reaction of Atomic Hydrogen Measured by Water Bath Calorimetry," Thermochemica Acta, Vol. 406, Issue 1-2, (2003), pp. 35-53. (Internet Publication Date: June 25, 2002.)	
		62. Mills et al., "Synthesis and Spectroscopic Identification of Lithium Chloro Hydride," Inorganica Chimica Acta, submitted.	
		61. Mills et al., "Highly Stable Amorphous Silicon Hydride," Solar Energy Materials & Solar Cells, Vol. 80, No. 1, (2003), pp. 1-20. (Internet Publication Date: April 15, 2002.)	
		60. Mills et al., "Synthesis of HDLC Films from Solid Carbon," Journal of Materials Science, Vol. 39, (2004), pp. 3309-3318. (Internet Publication Date: May 3, 2002.)	
		59. Mills et al., "The Potential for a Hydrogen Water-Plasma Laser," Applied Physics Letters, Vol. 82, No. 11, (2003), pp. 1679-1681. (Internet Publication Date: July 11, 2002.)	
		58. Mills, "Classical Quantum Mechanics," Physics Essays, Vol. 16, (2003), pp. 433-498. (Internet Publication Date: May 23, 2002.)	
		57. Mills, et. al. "Spectroscopic Characterization of Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride Ion Formed by a Catalytic Reaction of Atomic Hydrogen and Certain Group I Catalysts, J. of Quantitative Spectroscopy and Radiative Transfer," No. 39, sciencedirect.com, April 17, 2003.	
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		56. R. M. Mayo, R. Mills, "Direct Plasmadynamic Conversion of Plasma Thermal Power to Electricity for Microdistributed Power Applications," 40th Annual Power Sources Conference, Cherry Hill, NJ, June 10-13, (2002), pp. 1-4. (Internet Publication Date: March 28, 2002.)	
		55. Mills et al., "Chemically-Generated Stationary Inverted Lyman Population for a CW HI Laser," European J of Phys. D, submitted. (Internet Publication Date: April 22, 2002.)	
		54. Mills et al., "Stationary Inverted Lyman Population Formed from Incandescently Heated Hydrogen Gas with Certain Catalysts," J. Phys. D, Applied Physics, Vol. 36, (2003), pp. 1504-1509. (Internet Publication Date: March 20, 2002) also submitted to Chem Phys. Letts.	
		53. Mills, "A Maxwellian Approach to Quantum Mechanics Explains the Nature of Free Electrons in Superfluid Helium." Braz. J. Phys, submitted. (Internet Publication Date: June 4, 2002)	
		52. Mills et al., "Bright Hydrogen-Light Source due to a Resonant Energy Transfer with Strontium and Argon Ions," New Journal of Physics, Vol. 4, (2002), pp. 70.1-70.28. (Internet Publication Date: October, 2002)	
		51. Mills et al., "CW HI Laser Based on a Stationary Inverted Lyman Population Formed from Incandescently Heated Hydrogen Gas with Certain Group I Catalysts," IEEE Transactions on Plasma Science, Vol. 31, No. 2, (2003), pp. 236-247. (Internet Publication Date: Feb. 4, 2003.)	
		50. Mills et al., "Spectral Emission of Fractional-Principal-Quantum-Energy-Level Atomic and Molecular Hydrogen," Vibrational Spectroscopy, Vol. 31, No. 2, (2003), pp. 195-213.	
		49. Mills et al., "Comparison of Excessive Balmer Line Broadening of Inductively and Capacitively Coupled RF, Microwave, and Glow Discharge Hydrogen Plasmas with Certain Catalysts," IEEE Transactions on Plasma Science, Vol. 31, No. 3, (2003), pp. 338-355. (Internet Publication Date: Sept. 17, 2002.)	
		48. Mills et al., "Direct Plasmadynamic Conversion of Plasma Thermal Power to Electricity," IEEE Transactions on Plasma Science, October, (2002), Vol. 30, No. 5, pp. 2066-2073. (Internet Publication Date: March 26, 2002.)	
		47. H. Conrads, R. Mills, Th. Wrubel, "Emission in the Deep Vacuum Ultraviolet from a Plasma Formed by Incandescently Heating Hydrogen Gas with Trace Amounts of Potassium Carbonate," Plasma Sources Science and Technology, Vol. 12, (2003), pp. 389.	
Examiner Signature			Date Considered

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		46. Mills et al., "Emission in the Deep Vacuum Ultraviolet from a Plasma Formed by Incandescently Heating Hydrogen Gas with Trace Amounts of Potassium Carbonate," Plasma Sources Science and Technology, Vol 12, (2003), pp. 389–395.	
		45. Mills et al., "Synthesis and Characterization of a Highly Stable Amorphous Silicon Hydride as the Product of a Catalytic Helium-Hydrogen Plasma Reaction," Int. J. Hydrogen Energy, Vol. 28, No. 12, (2003), pp. 1401–1424. (Internet Publication Date: April 15, 2002.)	
		44. Mills, et. al. "Synthesis and Characterization of Lithium Chloro Hydride", <i>International Journal of Hydrogen Energy</i> , submitted. (Internet Publication Date: January 7, 2002.)	
		43. Mills et al., "Substantial Changes in the Characteristics of a Microwave Plasma Due to Combining Argon and Hydrogen," New Journal of Physics, www.njp.org, Vol. 4, (2002), pp. 22.1–22.17. (Internet Publication Date: Dec. 27, 2001.)	
		42. Mills et al., "A Comprehensive Study of Spectra of the Bound-Free Hyperfine Levels of Novel Hydride Ion, Hydrogen, Nitrogen, and Air," Int. J. Hydrogen Energy, Vol. 28, No. 8, (2003), pp. 825–871. (Internet Publication Date: Nov. 14, 2001.)	
		41. Mills et al., "Novel Alkali and Alkaline Earth Hydrides for High Voltage and High Energy Density Batteries," Proceedings of the 17th Annual Battery Conference on Applications and Advances, California State University, Long Beach, CA, (January 15-18, 2002), pp. 1–6. (Internet Publication Date: Nov. 9, 2001.)	
		40. Mills et al., "On the Potential of Direct and MHD Conversion of Power from a Novel Plasma Source to Electricity for Microdistributed Power Applications," IEEE Transactions on Plasma Science, August, (2002), Vol. 30, No. 4, pp. 1568–1578. (Internet Publication Date: Nov. 12, 2001.)	
		39. Mills et al., "Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride Ion Formed by an Exothermic Catalytic Reaction of Atomic Hydrogen and Certain Group I Catalysts," J. Phys. Chem. A, submitted. (Internet Publication Date: Nov. 13, 2001.)	
		38. Mills et al., "Highly Stable Novel Inorganic Hydrides from Aqueous Electrolysis and Plasma Electrolysis," Electrochimica Acta, Vol. 47, No. 24, (2002), pp. 3909–3926. (Internet Publication Date: June 13, 2002.)	
		37. Mills et al., "Comparison of Excessive Balmer Line Broadening of Glow Discharge and Microwave Hydrogen Plasmas with Certain Catalysts," J. of Applied Physics, (2002), Vol. 92, No. 12, pp. 7008–7022. (Internet Publication Date: Oct. 9, 2002.)	
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		36. Mills et al., "Emission Spectroscopic Identification of Fractional Rydberg States of Atomic Hydrogen Formed by a Catalytic Helium-Hydrogen Plasma Reaction," Vacuum, submitted. (Internet Publication Date: Oct. 9, 2001.)	
		35. Mills et al., "New Power Source from Fractional Rydberg States of Atomic Hydrogen," Current Appl. Phys., submitted. (Internet Publication Date: Oct. 9, 2001.)	
		34. Mills et al., "Spectroscopic Identification of Transitions of Fractional Rydberg States of Atomic Hydrogen," J. of Quantitative Spectroscopy and Radiative Transfer, in press. (Internet Publication Date: Oct. 9, 2001.)	
		33. Mills et al., "New Power Source from Fractional Quantum Energy Levels of Atomic Hydrogen that Surpasses Internal Combustion," J Mol. Struct., Vol. 643, No. 1-3, (2002), pp. 43-54. (Internet Publication Date: Oct. 10, 2001.)	
		32. Mills et al., "Spectroscopic Identification of a Novel Catalytic Reaction of Rubidium Ion with Atomic Hydrogen and the Hydride Ion Product," Int. J. Hydrogen Energy, Vol. 27, No. 9, (2002), pp. 927-935. (Internet Publication Date: Sept. 19, 2001.)	
		31. Mills et al., "Measurement of Energy Balances of Noble Gas-Hydrogen Discharge Plasmas Using Calvet Calorimetry," Int. J. Hydrogen Energy, Vol. 27, No. 9, (2002), pp. 967-978. (Internet Publication Date: Sept. 14, 2001.)	
		30. Mills et al., "Measurement of Hydrogen Balmer Line Broadening and Thermal Power Balances of Noble Gas-Hydrogen Discharge Plasmas," Int. J. Hydrogen Energy, Vol. 27, No. 6, (2002), pp. 671-685. (Internet Publication Date: Aug. 22, 2001.)	
		29. Mills et al., "Vibrational Spectral Emission of Fractional-Principal-Quantum-Energy-Level Hydrogen Molecular Ion," Int. J. Hydrogen Energy, Vol. 27, No. 5, (2002), pp. 533-564. (Internet Publication Date: July 19, 2001.)	
		28. Mills et al., "Spectral Emission of Fractional Quantum Energy Levels of Atomic Hydrogen from a Helium-Hydrogen Plasma and the Implications for Dark Matter," Int. J. Hydrogen Energy, (2002), Vol. 27, No. 3, pp. 301-322. (Internet Publication Date: Aug. 1, 2001.)	
		27. Mills, et. al. "Spectroscopic Identification of a Novel Catalytic Reaction of Potassium and Atomic Hydrogen and the Hydride Ion Product", <i>International Journal of Hydrogen Energy</i> , Vol. 27, No. 2, (2002), pp. 183-192. (Internet Publication Date: January 11, 2002)	
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		26. Mills, "BlackLight Power Technology-A New Clean Hydrogen Energy Source with the Potential for Direct Conversion to Electricity," Proceedings of the National Hydrogen Association, 12 th Annual U.S. Hydrogen Meeting and Exposition, Hydrogen: The Common Thread, The Washington Hilton and Towers, Washington DC, (March 6-8, 2001), pp. 671-697	
		25. Mills, et. al. "Minimum heat of formation of potassium iodo hydride." <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, pp. 1199-1208. (Internet Publication Date: March 23, 2001)	
		24. Mills, et al. "Stereoscopic Identification of a Novel Catalytic Reaction of Atomic Hydrogen and the hydride ion product." <i>International Journal of Hydrogen Energy</i> , Vol. 26. 2001. pp.1041-1058. (Internet Publication Date: March 23, 2001.)	
		23. Mills et al., "Optically Measured Power Balances of Glow Discharges of Mixtures of Argon, Hydrogen, and Potassium, Rubidium, Cesium, or Strontium Vapor," <i>Int. J. Hydrogen Energy</i> , Vol. 27, No. 6, (2002), pp. 651-670. (Internet Publication Date: July 20, 2001.)	
		22. Mills, "The Grand Unified Theory of Classical Quantum Mechanics," Global Foundation, Inc. Orbis Scientiae entitled The Role of Attractive and Repulsive Gravitational Forces in Cosmic Acceleration of Particles The Origin of the Cosmic Gamma Ray Bursts, (29th Conference on High Energy Physics and Cosmology Since 1964) Dr. Behram N. Kursunoglu,	
		21. Mills, "The Grand Unified Theory of Classical Quantum Mechanics," <i>Int. J. Hydrogen Energy</i> , Vol. 27, No. 5, (2002), pp. 565-590. (Internet Publication Date: Sept. 17, 2001.)	
		20. Mills et al., "Argon-Hydrogen-Strontium Discharge Light Source," <i>IEEE Transactions on Plasma Science</i> , Vol. 30, No. 2, (2002), pp. 639-653. (Internet Publication Date: Dec. 7, 2000.)	
		19. Mills et al., "Identification of Compounds Containing Novel Hydride Ions by Nuclear Magnetic Resonance Spectroscopy," <i>Int. J. Hydrogen Energy</i> , Vol. 26, No. 9, (2001), pp. 965-979. (Internet Publication Date: March 22, 2001.)	
		18. Mills, "BlackLight Power Technology-A New Clean Energy Source with the Potential for Direct Conversion to Electricity," Global Foundation International Conference on "Global Warming and Energy Policy," Dr. Behram N. Kursunoglu, Chairman, Fort Lauderdale, FL, November 26-28, 2000, Kluwer Academic/Plenum Publishers, New York, pp. 187-202.	
		17. Mills, "The Nature of Free Electrons in Superfluid Helium—a Test of Quantum Mechanics and a Basis to Review its Foundations and Make a Comparison to Classical Theory," <i>Int. J. Hydrogen Energy</i> , Vol. 26, No. 10, (2001), pp. 1059-1096. (Internet Publication Date: Dec. 11, 2000.)	
Examiner Signature			Date Considered

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known		
			Application Number	09/362,693	
			Filing Date	07/29/1999	
			First Named Inventor	Mills	
			Group Art Unit	1745	
			Examiner Name	Kalafut	
Sheet	33	of	21	Attorney Docket Number	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		16. Mills et al., "Excessively Bright Hydrogen-Strontium Plasma Light Source Due to Energy Resonance of Strontium with Hydrogen," J. of Plasma Physics, Vol. 69, (2003), pp. 131–158. (Internet Publication Date: Aug. 27, 2001.)	
		15. Mills et al., "Observation of Extreme Ultraviolet Hydrogen Emission from Incandescently Heated Hydrogen Gas with Certain Catalysts," Int. J. Hydrogen Energy, Vol. 25, (2000), pp. 919–943. (Internet Publication Date: June 27, 2000.)	
		14. R. Mills, "Observation of Extreme Ultraviolet Emission from Hydrogen-KI Plasmas Produced by a Hollow Cathode Discharge," Int. J. Hydrogen Energy, Vol. 26, No. 6, (2001), pp. 579–592. (Internet Publication Date: July 10, 2000.)	
		13. Mills, "Temporal Behavior of Light-Emission in the Visible Spectral Range from a Ti-K ₂ CO ₃ -H-Cell," Int. J. Hydrogen Energy, Vol. 26, No. 4, (2001), pp. 327–332. (Internet Publication Date: July 10, 2000.)	
		12. Mills et al., "Formation of a Hydrogen Plasma from an Incandescently Heated Hydrogen-Catalyst Gas Mixture with an Anomalous Afterglow Duration," Int. J. Hydrogen Energy, Vol. 26, No. 7, July, (2001), pp. 749–762. (Internet Publication Date: June 28, 2000.)	
		11. Mills et al., "Observation of Extreme Ultraviolet Hydrogen Emission from Incandescently Heated Hydrogen Gas with Strontium that Produced an Anomalous Optically Measured Power Balance," Int. J. Hydrogen Energy, Vol. 26, No. 4, (2001), pp. 309–326. (Internet Publication Date: June 27, 2000.)	
		10. Mills et al., "Synthesis and Characterization of Potassium Iodo Hydride," Int. J. of Hydrogen Energy, Vol. 25, Issue 12, December, (2000), pp. 1185–1203. (Internet Publication Date: Nov. 12, 2001.)	
		9. Mills. "Novel inorganic hydride." International Journal of Hydrogen Energy, Vol 25, 2000, pp. 669-683. (Internet Publication Date: June 28, 2000)	
		8. Mills et al., "Synthesis and Characterization of Novel Hydride Compounds," Int. J. of Hydrogen Energy, Vol. 26, No. 4, (2001), pp. 339–367. (Internet Publication Date: June 13, 2001.)	
		7. R. Mills, "Highly Stable Novel Inorganic Hydrides," Journal of New Materials for Electrochemical Systems, Vol. 6, (2003), pp. 45-54. (Internet Publication Date: Nov. 20, 2001.)	
Examiner Signature			Date Considered

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
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			First Named Inventor	Mills	
			Group Art Unit	1745	
			Examiner Name	Kalafut	
Sheet	34	of	21	Attorney Docket Number	

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS			
Examine r Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		6. R. Mills, "Novel Hydrogen Compounds from a Potassium Carbonate Electrolytic Cell," Fusion Technology, Vol. 37, No. 2, March, (2000), pp. 157-182. (Internet Publication Date: June 26, 2000.)	
		5. Mills, "The Hydrogen Atom Revisited," Int. J. of Hydrogen Energy, Vol. 25, Issue 12, December, (2000), pp. 1171-1183. (Internet Publication Date: June 27, 2000.)	
		4. Mills et al., "Fractional Quantum Energy Levels of Hydrogen," Fusion Technology, Vol. 28, No. 4, November, (1995), pp. 1697-1719. (Internet Publication Date: Nov. 1, 2001.)	
		3. Mills et al., "Dihydrino Molecule Identification," Fusion Technology, Vol. 25, 103-119 (Jan. 1994). (Internet Publication Date: April 11, 2001.).	
		Mills Technologies. "1KW Heat Exchanger System." <i>Thermacore, Inc.</i> , Oct 11 1991, pp. 1-6	
		Mills Technologies. "1KW Heat Exchanger System." <i>Thermacore, Inc.</i> , April 17, 1992, pp. 1-6	
		Mills, "Classical Quantum Mechanics." <i>Physica Scripta</i> , submitted.	
		Mills, "The Grand Unified Theory of Classical Quantum Mechanics," (2001), Distributed by Amazon.Com.	
		Mills, et. al. "Excess Heat Production...Cold Fusion." <i>Fusion Technology</i> , Vol 20, Feb 1991, pp. 65-81.	
		Mills, et. al. <i>Fusion Technol.</i> Vol.20, 65 (1991). Internet Publication Date 4/11/01	
Examiner Signature		Date Considered	

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	09/362,693
				Filing Date	07/29/1999
				First Named Inventor	Mills
				Group Art Unit	1745
				Examiner Name	Kalafut
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		Mills, "Author's response 'A possible trick of Hydride atom'," <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, p. 1225.	
		Mills, "BLACKLIGHT POWER TECHNOLOGY: A New Clean Energy Source with the Potential for Direct Conversion to Electricity," <i>International Conference on Global Warming and Energy Policy</i> , Ft. Lauderdale, Florida, November 26-28, 2000. Internet Publication 1/19/01	
		Mills, "Hydro catalysis Power Technology," <i>Statement of Dr. Randell L. Mills</i> , May, 1993.	
		Mills, "The Grand Unified Theory of Classical Quantum Mechanics," pp. 1-9	
		Mills, "Unification of Spacetime, the Forces, Matter, Energy, Hydro catalysis Power Corporation," 1992, pp. 53-84.	
		Mills, "Author's response to 'Hydrino atom: novel chemistry or invalid physics'," <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, pp. 1233.	
		Mills, "Author's response to 'Hydrino theory- a proposed amendment'," <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, pp. 1229-1231.	
		Mills, "Power Spectrum of the Cosmic Microwave Background" <i>BlackLight Power, Inc.</i> 2001.	
Examiner Signature			Date Considered



ATTACHMENT A

		Date(s)	Compensation Arrangements	Cash Payments Made	Options Issued	Shares Owned
AKHTAR (Employee)	Dr. Kamran	-	Employee Salary	-	EE Options Only	None
BALDWIN (NASA)	Dr. R.	-	-	-	None	None
BONIFACE (Chalk River Labs)	Dr. H.A.	-	-	-	None	None
BRADFORD (PSU Student)	Dr. Michael	9/13/1994	Ad Hoc/ One-time Only	9/13/1994	None	None
CHANG (Employee)	Dr. Zhixiang	-	Employee Salary	-	EE Options Only	None
CHEN (EE & Consultant)	Dr. Chun-Ku	6/1/04-5/31/05	\$50/hour	2/7/2005	EE Options Only	None
CHEN (Employee)	Dr. Xuemin	-	Employee Salary	-	EE Options Only	None
CLARK (INP Greifswald)	Dr. H.R.	-	-	-	None	None
CONRADS (INP Greifswald transferred agrmnt to Conrads)	Dr. Johannes	8/4/99-9/23/05	2 wire transfers	2/14/00 6/12/01	Options granted from 9/9/96 to 8/5/97; some options expired; some options exercised 9/7/06	Some options exercised 9/7/06
CRAIG	Dr. W.Y.	-	-	-	None	None
CRAW-IVANCO (Chalk River Labs)	Dr. M.T.	-	-	-	None	None
DAYALAN (Employee)	Dr. Ethirajulu	-	Employee Salary	-	EE Options Only	None
DHANDAPANI (Employee)	Dr. Bala	-	Employee Salary	-	EE Options Only	None
DONG (EE & Consultant)	Dr. Jinquan	7/30/03-1/31/04 2/1/04-7/31/04 11/16/04-5/1/505	\$35/hour \$45/hour \$45hour	2/28/02 8/20/03	EE Options Only	None
ECHENZURIA (Employee)	Alejandra	-	Employee Salary	-	EE Options Only	None
FRALICK (Semitech)	Dr. G.C.	-	-	-	None	None
FUELLING (U Nevada)	Dr. Stephan	-	-	-	None	None
GAMBERALE	Luca	-	-	-	None	None
GERNERT (Thermacore)	Dr. N.J.	-	-	-	None	None
GOOD (EE & Officer)	William	-	Employee Salary	-	EE & Officer Options Issued Beginning 9/1/92	Shares Owned Beginning 1991

GREENIG (EE & Consultant)	Nelson	11/1/01-10/31/02 11/1/02-10/31/03 3/8/04-3/7/05 3/8/05-3/7/06 3/8/06-3/7/07 3/8/07-3/7/08	\$50/hour \$50/hour \$50/hour \$50/hour \$50/hour	7/19/95 4/27/01 10/14/02	EE Options Only	None
HALDEMAN (MIT Lincoln Labs)	Dr. C.W.	-	-	-	None	None
HE (Employee)	Dr. Jiliang	-	Employee Salary	-	EE Options Only	None
HICKS (Employee)	Steven	-	Employee Salary	-	EE Options Only	None
HILBORN (Chalk River Labs)	Dr. J.W.	-	-	-	None	None
ISELER (MIT Lincoln Labs)	Dr. G.W.	-	-	-	None	None
JACOX (INEL)	Dr. Michael	-	-	-	Options granted 9/9/96 to 3/3/97; all options expired	None
JANSSON (Rowan U)	Dr. Peter M.	6/10/02-10/31/02 (contract)	\$100 \$10	10/17/97 12/31/2002	None	Purchased shares 7/2/97; gifted to ex-wife and son 5/1/07
KNEIZYS	S.	-	-	-	None	None
KRYUKOV (Moscow Power Engineering Institute)	Dr. A.P.	-	-	-	None	None
KURTZ (PSU)	Dr. Stewart	-	-	-	Options granted 9/9/96 to 11/8/02; some expired	None
LEE (U of Ohio)	Dr. Jang-Jung	-	-	-	None	None
LU (EE & Consultant)	Dr. Ying	8/6/01 5/9/03-5/16/03 5/27/03-5/30/03 5/30/03-6/30/03 7/1/03-7/31/03 8/1/03-1/30/04	\$100/hour \$80/hour \$80/hour \$45/hour \$45/hour \$45/hour	10/01/01 5/23/03	EE Options Only	None
MARCHESE (Rowan U)	Dr. Anthony	6/10/02-10/31/02 (contract)	\$10 non-material	12/31/2002	None	None
MAYO (EE & Consultant)	Dr. Robert	6/8/01-8/8/01	\$50/hour	7/23/2001	EE Options Only	None
MEYERS (NASA)	Dr. I.	-	-	-	None	None
MILLER (Lehigh U)	Dr. Alfred	-	\$250	6/12/1997	Options granted 9/9/96 to 3/3/97; all options expired	None

MILLS (EE & Director)	Dr. Randell	-	Employee Salary	-	EE & Director Options Issued Beginning 9/9/96	Shares Owned Beginning 1991
NANSTEEL (EE & Consultant)	Dr. Mark W.	3/30/05-3/29/06 3/30/06-3/29/07 3/30/07-8/31/08	\$80/hour \$80/hour \$80/hour	8/24/2005	EE Options Only	None
NESTEROV (Moscow Power Engineering Institute)	Dr. S.B.	-	-	-	None	None
NIEDRA (NASA)	Dr. J.	-	-	-	None	None
NONINSKI (Brookhaven)	Dr. V.	-	-	-	None	None
ONUMA (Employee)	Dr. Takeyoshi	-	Employee Salary	-	EE Options Only	None
PACIFICORP		-	-	-	Options granted 4/7/97 to 4/27/98; some options expired	Purchased shares 9/20/96 & 7/2/97; transferred all shares to ScottishPower Ventures, Inc. 6/21/07
PETERSON (Westinghouse)	Dr. S.H.	-	-	-	None	None
PHILLIPS (PSU, UNM, LANL)	Dr. Jonathan	2/1/96-1/31/97 1/1/97-4/30/97 3/15/00-3/18/00 10/8/01-4/8/02 4/8/02-10/8/02 10/9/02-10/8/03 10/9/03-10/8/04 10/9/04-10/8/05 10/9/05-10/8/06 10/9/06-10/8/07	\$100/hour Options Only \$5,000 \$125/hour \$125/hour \$125/hour \$100/hour \$100/hour \$100/hour \$100/hour	4/26/95 5/9/00	Options granted 9/9/96-1/14/06; some options exercised	Some options exercised 9/1/06 & 2/20/07
RAY (Employee)	Dr. Paresh	-	Employee Salary	-	EE Options Only	None
SANKAR (EE & Consultant)	Dr. Jayasree	3/17/03-3/16/04 3/22/04-3/21/05	\$50/hour \$50/hour	-	EE Options Only	None
SAVOYE (MIT Lincoln Labs)	Dr. G.W.	-	-	-	None	None
SCHARER (U Wisconsin)	Dr. John	1/5/05-1/4/06 1/5/06-1/4/07 1/5/07-1/4/08	\$800/day \$100/hour \$110/hour	11/14/2005	None	None
SCHMALZEL (Rowan U)	Dr. John L.	6/10/02-10/31/02 (contract)	\$10 non-material	12/31/2002	None	None
SHANNON (Employee)	Tina	-	Employee Salary	-	EE Options Only	None
SHAUBACH (Thermacore)	Dr. R.M.	-	-	-	None	None
SIMMONS (Lehigh U)	Dr. G.	-	-	-	None	None
TREMBLAY (Chalk River Labs)	Dr. R.P.	-	-	-	None	None

TURNER (Spectral Data)	Dr. Gary L.	-	-	-	None	None
VOIGT (EE & Consultant)	Dr. Andreas	8/27/04-8/26/05	\$50/hour	-	EE Options Only	None
WATTS (INEL)	Dr. K.D.	-	-	-	None	None
WEISMANN	Dr. H.	-	-	-	None	None
WIESMANN	Dr. H.	-	-	-	-	-
WRUBEL (INP Greifswald)	Dr. Th.	-	-	-	None	None
ZEA (Employee)	Dr. Hugo	-	Employee Salary	-	EE Options Only	None

ATTACHMENT B

MASTER LIST OF CITED AND SUBMITTED DOCUMENTS

U.S. Patent Document		Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
Code ^w Number	Kind (if known)		
1,001,589		Hatfield	08-23-1911
2,708,656		Fermi	05-17-1955
3,253,884		Jung, et al.	05-31-1966
3,297,484		Niedrach	01-10-1967
3,300,345		Lyons	01-24-1967
3,359,422		Pollock	12-19-1967
3,377,265		Caeser	04-09-1968
3,448,035		Serfass	06-03-1969
3,462,622		Cann et al.	08-1969
3,669,745		Beccu	06-13-1972
3,701,632		Lovelock	10-31-1972
3,755,128		Herwig	08-28-1973
3,816,192		Brower	06-11-1974
3,835,019		Lovelock	09-10-1974
3,917,520		Katz	11-04-1975
4,000,036		Ensley	12-1976
4,095,118		Rathbun	06-1978
4,149,931		Christensen	04-1979
4,155,712		Taschek	05-22-1979
4,202,004		Anderson	05-1980
4,265,720		Winstel	05-05-1981
4,274,938		Schulten	06-23-1981
4,327,071		Chiu	04-27-1982
4,337,126		Gilligan, III et al.	06-29-1982
4,353,871		Bartilt, et al.	10-12-1982
4,464,990		Bendler	08-14-1984
4,487,670		Bellanger	12-11-1984
4,488,490		Betts	12-18-1984

4,512,966		Nelson	04-23-1985
4,568,568		Asano	02-04-1986
4,664,904		Wolfrum	05-12-1987
4,694,755		Ibarra	10-22-1987
4,702,894		Cornish	10-27-1987
4,737,249		Shepard Jr.	04-12-1988
4,774,065		Penzorn	09-27-1988
4,792,725		Levy et al.	12-1988
4,808,286		Angelo, II	02-28-1989
4,923,770		Grasselli	05-08-1990
4,957,727		Bogdanovic	09-18-1990
4,968,395		Pavelle	11-06-1990
4,986,887		Gupta	01-22-1991
5,215,729		Buxbaum	06-01-1993
5,273,635		Gernert	12-28-1993
5,318,675		Patterson	06-07-1994
5,372,688		Patterson	12-13-1994
5,449,434		Hooke et al.	09-1995
5,577,090		Moses	11-1996
5,593,640		Long, et al.	01-14-1997
5,669,975		Ashtiani	09-1997
5,761,481		Kadoch et al.	06-1998
5,789,744		Spence, et al.	08-04-1998
5,801,971		Ohta	09-1998
5,819,073		Nakamura	10-1998
5,838,760		Moses	11-1998
5,864,322		Pollon et al.	01-1999
5,883,005		Minton et al.	03-1999
5,888,414		Collins et al.	03-1999
5,969,470		Druz et al.	10-1999
6,024,935		Mills, et al.	02-15-2000
6,064,154		Crouch et al.	05-2000
6,149,829		Takamatsu et al.	11-2000
6,150,755		Druz et al.	11-2000

6,151,532		Barone et al.	11-2000
6,444,137		Collins et al.	09-2002
6,551,939		Takamatsu et al.	04-2003
6,579,465		Takamatsu et al.	06-2003
6,690,705		Maksimov et al.	02-2004
7,188,033		Mills	03-06-2007
2001/0007725		Faris et al.	07-2001
2001/0008803		Takamatsu et al.	07-2001
2002/0133326		Chung et al.	09-2002

Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
Office ³	Number ⁴	Kind Code ⁵ (if known)		
WO	90/10935	A1	Pons	09-20-1990
WO	90/13126	A1	Mills	11-01-1990
WO	90/14668	A2	Cravens	11-29-1990
WO	91/01036	A1	Dufour	01-24-1991
WO	91/08573	A1	Bush	06-13-1991
WO	92/10838	A1	Mills	06-25-1992
WO	93/17437	A1	Bush	09-02-1993
WO	94/10688	A1	Dufour	05-11-1994
WO	94/14163	A1	McKubre	06-23-1994
WO	94/15342	A1	McKubre	07-07-1994
WO	94/29873	A2	Mills	12-22-1994
WO	95/20816	A1	Piantelli	08-03-1995
WO	96/42085	A2	Mills	12-27-1996
WO	99/05735	A1	Mills	03-04-1999
WO	99/26078	A1	Mills	5-27-1999
WO	99/34322	A1	Mills	7-8-1999
WO	99/35698	A3	Mills	07-15-1999
WO	00/07931	A1	Mills	02-17-2000
WO	00/07932	A2	Mills	2-17-2000
WO	00/25320	A1	Davies	05-04-2000

WO	01/095944	A2	Mills	12-20-2001
WO	01/18948	A1	Mills	3-15-2001
WO	01/21300	A2	Mills	03-29-2001
WO	01/22472	A2	Mills	3-29-2001
WO	01/70627	A3	Mills	08-27-2001
WO	02/08787	A2	De Geus	01-31-2002
WO	02/087291	A2	Mills	10-31-2002
WO	02/088020	A2	Mills	11-7-2002
WO	02/16956	A1	Mills	2-28-2002
WO	03/093173	A2	Mills	11-13-2003
WO	03/066516	A2	Mills	8-14-2003
WO	04/092058	A2	Mills	10-28-2004
WO	05/041368	A2	Mills	10-6-2005
WO	05/067678	A2	Mills	7-28-2005
WO	2005/116630	A1	Mills	12-08-2005
WO	2007/051078	A1	Mills	05-03-2007
WO	2007/053486	A1	Mills	05-10-2007

Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
Kind Code ⁵ Office ³ Number ⁴ (if known)						
EP	0 395 066	A2	Matsushita Electric Ind.	10-31-1990		
JP	53-134792		Ind. Res. Inst. Of Japan	11-24-1978		X
JP	56-136644		Hitachi	03-28-1980		X
GB	2 343 291		Lloyd Wise, Tregear & Co.	05-13-2000		
JP	2002008892A		Shimazu	01-2002		

Abdallah, et. al. " The Behavior of Nitrogen Excited in an Inductively Coupled Argon Plasma." *J. Appl. Phys.*, Vol 88, No 1, July 2000, pp. 20-33.

Abelès, Ed. Chapter 9, "Structure of Trapped Electron and Trapped Hole Centers in Alkali Halides 'Color Centers'." *Optical Properties of Solids*, 1972, pp. 718-754.

Abramova, et. al. "Tornado-type closed magnetic trap for an electron cyclotron resonance ion source." <i>Review of Scientific Instruments</i> , Vol 71, No 2, February 2000, pp. 921-923.
Albagli, et. al. "Measurement and Analysis of Neutron and Gamma-Ray Emission Rates, Other Fusion Products, and Power in Electrochemical Cells Having Pd Cathodes." <i>Journal of Fusion Energy</i> , Vol 9, No 2, June 1990, pp. 133-148.
Alber, et. al. "Search for Neutrons from Cold Nuclear Fusion." <i>Z. Phys. A. - Atomic Nuclei</i> , Vol 333, 1989, pp. 319-320.
Alessandrello, et. al. "Search for Cold Fusion Induced by Electrolysis in Palladium." <i>Il Nuovo Cimento</i> , Vol 103A, No 11, November 1990, pp. 1617-1638.
Alger et al. "F Centers in Pure and Hydride-Containing Alkali Halide crystals." <i>Physical Review</i> , Vol 97, January 15, 1955, pp. 277-287.
Arfken. "Mathematical Methods for Physicists." 2 nd Ed. <i>Academic Press</i> , New York 1970, pp.413-415.
S. Aaronson, "Hydrino Theory: Which Overturns Quantum Theory, Is in Turn Overturned by Doofusino Theory," < http://www.scottaaronson.com/writings/doofusino.html >
Associated Press. "Panel Opposes Cold Fusion Efforts." <i>The Washington Post</i> , July 13, 1989, p. A14.
Associated Press. "Pennsylvania Company...Cold Fusion Mystery." <i>Lexis Nexis</i> Reprint, 1991.
Associated Press. "Physicist: Utah Cold-Fusion Gear Doesn't Work." <i>The Washington Post</i> , March 29, 1990, p. A3.
"Atomic Physics Progress Report 1995-1996" (internet page) atomp2.fysik.lth.se/AFDOCS/Progrep956/contents.asp (author and date unknown)
"Atomic Spectroscopy" (internet page) physics.nist.gov/Pubs/AtSpec/node20.html (author and date unknown)
Baard, Erik. "The Empire Strikes Back." <i>The Village Voice</i> , April 26-May 2, 2000
Baard, Erik. "Quantum Leap." <i>The Village Voice</i> , Dec 22-28, 1999.
Baard, Erik. "Researcher Claims Power Tech That Defies Quantum Theory." <i>Dow Jones Newswires</i> , Oct 6, 1999.
Baard, Erik, "Hydrino Theorist Gets Nod From NASA-Funded Investigation Eureka?", <i>The Village Voice</i> , Dec. 6, 2002
Baard, E. (1999) <i>Dow Jones Newswires</i> , October 6 reprint
Balke, et. al. "Limits on Neutron Emission From 'Cold Fusion' in Metal Hydrides.", <i>Physical Review C</i> , Vol 42, No 1, July 1990, pp. 30-37.
Barmann et. al. "Spatially and Temporally Resolved Studies of the Electron Density in Liquid Streamers by Emission Spectroscopy" (Internet page) atomp2.fysik.lth.se/AFDOCS/Progrep956/5al.htm (Atomic Physics Progress Report) (1995-1996)
Barth, "Bigger Than Fire?", <i>Gale Group Magazine DB</i> , The Gale Group, 2003, <i>Skeptic</i> , Vol. 8, No. 4, (2001)
Barton, et al, "Investigating Radio Frequency Plasmas Used for the modification of Polymer Surfaces." <i>J. Phys. Chem. B</i> , Vol 103, 1999, pp. 4423-4430.
R. W. Bass, "Email from Bob Bass to Randell Mills," August 6, 2000.
Bäuerle et al. "Infrared Vibrational Absorption by U-Centers in NaI." <i>Phys. Stat. Sol.</i> , Vol 24, 1967, pp. 207-215.

Beiser, A. <i>Concepts of Modern Physics</i> , Fourth Edition, McGraw-Hill Book Company, New York, 1978, p. 407.
Benetskii, et. al. "An Attempt to Observe Cold Thermonuclear Fusion in a Condensed Medium." <i>Nuclear Research Institute, AS USSR</i> , May 1989, pp. 75-78.
Besenbacher, et. al. "Search for Cold Fusion in Plasma-Charged Pd-D and Ti-D Systems." <i>Journal of Fusion Energy</i> , Vol 9, No 3, September 1990, pp. 315-317.
Best, Ben. "The Copenhagen Interpretation of Quantum Mechanics." (internet page) www.benbest.com/science/quantum.html . (no date listed)
Bethe, et. al. "Quantum Mechanics of One and Two-Electron Atoms." <i>Cornell University, Plenum Publishing Com.</i> , NY, 1977, pp. 2, 9-12, 47, 83-84, 92, 107.
"The Biggest Venture Capital Conference of the Year is Quickly Approaching," Special to Evening Bulletin 09/29/2006, < http://www.theeveningbulletin.com/site/news.cfm?newsid=17263371&BRD=2737&PAG=461&dept_id=57636&rft=6 >
Bishop. "It ain't over til it's over ... Cold Fusion." <i>Popular Science</i> , Aug 1993, pp. 47-51.
Bishop. "More Labs Report Cold Fusion Results." <i>Wall Street Journal</i> , Oct 19, 1992.
Bjorken et al., ""Relativistische Quantenmechanik", <i>Die Dirac-Gleichung</i> , pp. 22-25, 1964
"Blacklight Power - do they have something significant?" (internet page) www.phact.org/e/blp.htm (author and date unknown)
BlackLight Power, "Executive Summary," January 11, 1999, pp. 1-6
Blacklight Power, Inc., "Second Shareholder Newsletter '97" < http://web.archive.org/web/19980212141859/blacklightpower.com/sharenews2.html >
Blochinzew, <i>Grundlagen Der Quantenmechanik</i> , Veb Deutscher Verlag Der Wissenschaften, 1967
Blue. "Cold Fusion Lies 6." <i>Deja News on the Internet</i> , April 13, 1997, pp. 1-2, available at http://x7.dejanew/us.com .
Blue. "Randell Mills' Sells Pot Shards." <i>Deja News on the Internet</i> , April 30, 1997, pp. 1-2, available at http://x7.dejanew/us.com .
Bogaerts, et al. "Effects of adding hydrogen to an argon glow discharge: overview of relevant processes and some qualitative explanations." <i>Journal of Analytical Atomic Spectrometry</i> , March 2000.
Boniface, et. al. "Calorimetry for a Ni/K ₂ CO ₃ Cell." AECL Research, June 1994.
Bosch, et. al. "Electrochemical Cold Fusion Trials at IPP Garching." <i>Journal of Fusion Energy</i> , Vol 9, No 2, June 1990, pp. 165-186.
<i>Boston Globe.</i> , "Successful nuclear fusion experiment by the Italians." Wednesday, April 19, 1989.
Braaten. "Ridiculously Easy Test Yields Claim of Energy Triumph." <i>The Washington Times</i> , March 24, 1989, p. A5.
Bradford. "A Calorimetric Investigation of the Reaction of Hydrogen with Sample PSU #1." A Confidential Report submitted to Hydrocatalysis Power Corporation, September 1994.
Briars. "Critique of New Energy, New Physics." 7 segments, <i>Deja News on the Internet</i> , March 9, 1989, pp. 1-9, available at http://x7.dejanew/us.com .

Brewer, Shelby T. Book review of "The grand Unified Theory of Classical Quantum Mechanics (Hardcover) by Randell L., Dr. Mills." (internet page) http://www.amazon.com/gp/product/product-description/0963517139/ref=dp_proddesc_0/103-5711659-8507030 (date unknown)
Broad. "2 Teams Put New Life in Cold Fusion Theory." <i>New York Times</i> , April 26, 1991, p. A18.
Broad. "Cold-Fusion Claim is Faulted on Ethics as Well as Science." <i>The New York Times</i> , March 17, 1991, pp. 1 and 30.
Brodowsky, "Solubility and diffusion of hydrogen and deuterium in Palladium and Palladium Alloys," Tech. Bulletin, Englund Indust., Vol. 7, No. 1-2 (1966), pp. 41-50.
Browne. "Fusion Claims is Greeted With Scorn by Physicists." <i>The New York Times</i> , May 3, 1989, pp. A1 and A22.
Browne. "Physicists Put Atom in 2 Places at Once." <i>The New York Times</i> .
Bush. "A Light Water Excess Heat Reaction Suggests That 'Cold Fusion' May Be 'Alkali-Hydrogen Fusion'." <i>Fusion Technology</i> , Vol 22, Sept. 1992, pp. 301-322.
Bush, et. al. "Helium Production During the Electrolysis...Experiments." <i>J. Electroanal Chem.</i> , Vol 304, 1991, pp. 271-278.
Bush, et. al. "Helium Production During the Electrolysis...Experiments." <i>Preliminary Note, Univ. of Texas</i> , pp. 1-12.
Bush, et. al. "Power in a Jar: the Debate Heats Up." 88 Bus. Week, <i>Science & Technology</i> , Oct. 26, 1992.
Carolina, et al. "Effect of Dielectric Constant, Cavities in Series and Cavities in Parallel on the Product Distribution of the Oligomerization of Methane via Microwave Plasmas." <i>J. Phys. Chem.</i> , Vol 100, 1996, pp. 17866-17872.
Catlett, et. al. "Hydrogen transport in lithium hydride as a function of pressure." <i>The Journal of Chemical Physics</i> , Vol 58, No 8, April 1978, pp. 3432-3438 (April 1978).
Chapline. "Cold Confusion." <i>UCRL-101583</i> , July 1989, pp. 1-9.
Chemistry Course Listings in MIT OpenCourseWare. MIT 2005. http://ocw.mit.edu/OcwWeb/Chemistry/index.htm
"The Chemistry of Halogens," http://chemed.chem.purdue.edu/genchem/topicreview/bp/ch10/group7.html
Chien, et. al. "On an Electrode...Tritium and Helium." <i>J. Electroanal Chem.</i> , 1992, pp. 189-212.
CiteSeer, "Citations: Observation of Extreme Ultraviolet Hydrogen Emission from Incandescently Heated Hydrogen Gas with Strontium that Produced an Anomalous Optically Measured Power Balance," <i>Int. J. Hydrogen Energy</i> 26 (4) 2001, pg. 309-326 < http://citeseer.ist.psu.edu/comtext/1749692/449101 >
Clark, et. al. "Excess Energy Cell Final Report." April 1995.
Close. "Too Hot to Handle-The Race for Cold Fusion." <i>Princeton University Press</i> , 1989.
Collins, "Selling the Free Lunch," <i>Scientific American</i> , (Nov, 2002)
Condon, et. al. "The Theory of Atomic Spectra." MacMillan Company: New York. 1935. pp. 44-78, 112-146.
Conrads, et. al. "Emission in the Deep Vacuum Ultraviolet from an Incandescently Driven Plasma in a Potassium Carbonate Cell", <i>Plasma Sources Science and Technology</i> , submitted.

Conversion Table cgs/SI-Units. www.plasmaphysics.org.uk/convers.htm
Cooke. "ORNL/FTR-3341." July 31, 1989, pp. 2-15.
Cribier, et. al. "Conventional Sources of Fast Neutrons in Cold Fusion Experiments." <i>Physics Letters B</i> , Vol 228, No 1, September 7, 1989, pp. 163-166.
Criddle. "The Roles of Solution...Excess Heating." <i>Electrochemical Science & Technology Centre</i> , Univ. of Ottawa.
Cvetanovic et. al. "Excessive Balmer line broadening in a plane cathode abnormal glow discharge in hydrogen." <i>Journal of Applied Physics</i> 97. 18 January 2005.
Datz, et. al. "Molecular Association in Alkali Halide Vapors." <i>Journal of Chemical Physics</i> , Vol 34, No 5, Feb. 1961, pp.558-564.
Dagani. "Cold Fusion believer turns skeptic crusades for more rigorous research." <i>C&EN Washington</i> , June 5, 1995, pp. 34-45.
Dagani "Cold Fusion-Utah Pressures Pons, Fleischmann." <i>C&EN</i> , January 14, 1991, pp. 4-5.
Dagani. "Latest Cold Fusion Results Fail to Win Over Skeptics." <i>C&EN</i> , June 14, 1993, pp.38-40.
Dagani. "New Evidence Claimed for Nuclear Process in 'Cold Fusion'." <i>C&EN Washington</i> , April 1991, pp. 31-33.
Delbecq et al. "Pragmatic Resonance Investigation of Irradiated KCl Crystals Containing U-Centers." <i>Phys. Rev.</i> , Vol 104, Nov 1, 1956, pp. 599-604.
Dennis "Hidden Variables and Relativistic Tachyons" (internet page) www.objectivescience.com/articles/ed_tachy.htm (Date unknown)
Dery et. al. "Effect of Dielectric constant, Cavities in Series, and Cavities in Parallel on the Product Description of the Oligomerization of Methane via Microwave Plasmas." <i>Journal of Physical Chemistry</i> 1996, Vol. 100. July 8, 1996. pp. 17866-17872.
Directory: Blacklight Power, From PESWiki "A Top 100 Energy Technology," < http://peswiki.com/index.php/Directory:Blacklight_Power >
Dötsch et al. "Localized Vibrations of H ⁺ and D ⁺ Ions in NaF and LiF." <i>Solid States Communications</i> , Vol 3, 1965, pp. 297-298.
Dufour, et. al. "Interaction of Palladium/Hydrogen and Palladium/Deuterium to Measure the Excess Energy Per Atom for Each Isotope." <i>Fusion Technology</i> , Vol 31, March 1997, pp. 198-209.
Durr, et. al. "Origin of quantum-mechanical complementarity probed by a 'which-way' experiment in an atom interferometer." <i>Nature</i> , Vol 395, September 3, 1998, pp. 33-37.
"Earth Tech's Campaign to Replicate one of BlackLight Power Excess Heat Results." December 20, 1997 available at www.eden.com/~little/blp/prelim.html , pp. 1-41.
EarthTech Reports, http://www.earthtech.org/experiments/blp/prelim.html
EarthTech Reports, http://www.earthtech.org/experiments/mills/mills1.html
"Attempt to Observe Excess Heat in a Ni-H ₂ O-K ₂ CO ₃ Electrolysis System-9OCT97"
Evans, et. al. "Time-of-Flight Secondary Ion Mass Spectroscopy (TOF-SIMS) Surface Analysis Report." CE & A Number 40150, March 1994, available at http://www.cea.com/inst.htm#esca2 .
Evans Analytical Group, http://www.cca.com/tech.htm#esca1
Evans, et. al. "XPS/ESCA Results." CE & A Number 44545, Nov 1994.

EVANS Analytical Group. Product Descriptions: Time-of-Flight Secondary Mass Spectrometry (TOF-SIMS) and X-Ray Photoelectron Spectroscopy (XPS) Electron Spectroscopy for Chemical Analysis (ESCA). (no date or author listed)
Dr. Ess, "History and Philosophy of Science," www.drury.edu/ess/philsoci/bell.html
E-mail to Examiner Wayner from Jeffrey A. Simenauer, dated _____
Ewing, et. al. "A sensitive multi-detector neutron counter used to monitor cold fusion experiments in an underground laboratory; negative results and positive artifacts." <i>IEEE Transactions on Nuclear Science</i> , Vol 37, No 3, June 1990, pp. 1165-1170.
"Experimental Verification by Idaho National Engineering Laboratory." pp. 13-25.
Faller, et. al. "Investigation of Cold Fusion in Heavy Water." <i>J. Radioanal. Nucl. Chem. Letter</i> , Vol 137, No 1, August 21, 1989, pp. 9-16.
Fan et al., "X-ray photoelectron spectroscopy studies of CVD diamond films", <i>Surface and Interface Analysis</i> , 34:703-707, 2002
Feynman, et al. "The Feynman Lectures of Physics Vol. III: Quantum Mechanics." Addison-Wesley Publishing Co., 1965 pp. 1-9, 206, 19-1 through 19-18.
Fine, Arthur. "The Shaky Game: Einstein Realism and the Quantum Theory." 2 nd Ed. <i>The University of Chicago Press</i> , 1986, pp.64-85.
Fischer. "Die optische Absorption der U ₂ -Zentren in Alkalihalogenidkristallen", <i>Zeitschrift für Physik</i> , Vol 131, 1952, pp. 488-504.
Fischer et al. "Sh ⁻ , S ⁻ Und S' Zentren In KC1-Kristallen." <i>Physics Letters</i> , Vol 13, Oct. 27, 1964, pp. 113-114.
Fischer. "Die optische Absorption der U ₂ -Zentren in Alkalihalogeniden des BaCl-Typs," <i>Zeitschrift für Physik</i> , Vol 204, 1967, pp. 351-374.
J. Flemming, et. al. "Calorimetric Studies of Electrochemical Incorporation of Hydrogen Isotopes into Palladium," <i>J. of Fusion Energy</i> , Vol. 9, No. 4 (Dec. 1990), pp. 517-524.
Fozza, et. al. "Vacuum ultraviolet to visible emission from hydrogen plasma: Effect of excitation frequency." <i>Journal of Applied Physics</i> , Vol 88, No 1, July 2000, pp. 20-33.
Fried et al. "Solution for the Two-Electron Correlation Function in a Plasma." <i>The Physical Review</i> , Vol 122, Apr. 1, 1961, pp. 1-8.
Fritz. "Anionlücken und Zwischengitterionen in Alkalihalogenid-Alkalihydrid-Mischkristallen." <i>J. Phys. Chem. Solids</i> , Vol 23, 1962, pp. 375-394.
Fritz, "Infrared Absorption and Anharmonicity of the U-Centre Local Mode," <i>Phys. Stat. Sol.</i> , Vol. 11, (1965) pp. 231-239.
M. Fowler, "The Lorentz Transformation," UVA Physics 252, < http://galileo.phys.virginia.edu/classes/252/lorentztrans.html >
Fuchs and Peres. "Quantum Theory Needs No 'Interpretation'." <i>Physics Today</i> , March 2000, p. 70.
Fujimoto, et. al." Ratio of Balmer line intensities resulting from dissociative excitation of molecular hydrogen in an ionizing plasma." <i>J. Appl. Phys.</i> , Vol 66, No 6, Sept. 1989, pp. 2315-2319.
Fusion Digest, "Cold Nuclear Fusion Bibliography," 1993.
Fusion Digest, "Heat? Neutrons? Charged Particles?," 1993.

Gernert, et. al. "Anomalous Heat From Atomic Hydrogen in Contact with Potassium Carbonate." Thermacore, Inc.
Gottfried, "Quantum electrodynamics: Matter all in the mind", (internet page) www.nature.com/cgi-taf/DynaPage.t...e/journal/v419/n6903/full/419117a_r.html , 2002
Gulyaev "Gigantic Atoms in Space" (internet page) www.astronomy.org.nz/events/month...reviews/2001/gigantic_atoms_in_space.htm (date unknown)
Hadfield. "Lukewarm reception for Japanese cold fusion." <i>New Scientist</i> , October 31, 1992, pg. 10.
Hajdas, et. al. "Search for Cold-Fusion Events." <i>Solid State Communications</i> , Vol 72, No 4, 1989, pp. 309-313.
Hansen, et. al. "A response to hydrogen +oxygen recombination and related heat generation in undivided electrolysis cells." <i>J. of Electroanalytical Chemistry</i> , Vol 447, 1998, pp. 225-226. (Paper III)
Hansen, et. al. "Faradaic efficiencies less than 100% during electrolysis of water can account for excess heat in 'cold fusion' cells," <i>J. of Physical Chem.</i> , Vol. 99, No. 18 (1997) pp. 6973-6979 (Paper I).
Hansen, et. al. "An assessment of claims to 'excess heat' in 'cold fusion' calorimetry," <i>Thermochimica Acta</i> , Vol. 297 (1998) pp. 7-15 (Paper II).
Hardy, et. al. "The Volatility of Nitrates and Nitrites of the Alkali Metals." <i>Journal of the Chemical Society</i> , 1963, pp. 5130-5134.
The Harvard Crimson News: Academics Question the Science Behind Blacklight Power, Inc." http://www.the.crimson.com/printerfriendly.aspx?ref=100939
Haus. "On the radiation from point charges." <i>American Journal of Physics</i> , Vol 54, No 12, December 1986. Pp. 1126-1129.
Hayashi, Shigenobu. "Accurate determination of ^1H Knight shifts in Mg_2NiH_x and MgH_x by means of high-speed magic angle spinning." <i>Journal of Alloys and Compounds</i> , Vol 248, 1997, pp. 66-69. (Paper A)
Hayashi, et. al. " ^1H NMR and magnetization measurements of a nanostructured composite material of the $\text{Mg}_2\text{Ni-H}$ system synthesized by reactive mechanical grinding." <i>Journal of Alloys and Compounds</i> , Vol 256, 1997, pp. 159-165. (Paper B)
Hayashi, et. al. "Local structures and hydrogen dynamics in amorphous and nanostructured Mg-Ni-H systems as studied by ^1H and ^2H nuclear magnetic resonance," <i>J. of Alloys and Compounds</i> , Vol. 261, (1997), pp. 145-149 (Paper C).
He-II in Solar Spectrum
Heisenberg, W. "Über den anschaulichen Inhalt der quantentheoretischen Kinematik und Mechanik." <i>Zeitschrift für Physik</i> , Vol 43, 1927, pp. 172-198.
Heitler, W. "The Quantum Theory of Radiation." 3 rd Ed., <i>University of Zürich</i> , Dover Publications Inc., NY, 1984, pp. 104.
Henderson, et. at. "More Searches for Cold Fusion." <i>Journal of Fusion Energy</i> , Vol. 9, No. 4, Dec. 1990, pp. 475-477.
Hilsch. "Eine neue Lichtabsorption in Alkalihalogenidkristalle." <i>Fachgruppe II</i> , pp. 322-328.
Hilsch. "Über die Diffusion und Reaktion von Wassestoff in KBr-Kristallen." <i>Annalen der Physik</i> , Vol 40, 1937, pp. 407-720.

Hilts. "Significant Errors Reported in Utah Fusion Experts." <i>The Washington Post</i> , May 2, 1989, pp. A1 and A7.
Hines, "Scientific Mistakes: N-rays and Polywater", <i>Pseudoscience and the Paranormal</i> , Prometheus Books, 1988, pp. 8-13
Hodoroaba, et. al. "Investigations of the effect of hydrogen in an argon glow discharge." <i>J. of Analytical Atomic Spectrometry</i> , www.rsc.org/ej/ja/2000/B0023671/ (1 of 14), August 4, 2000.
Hollander, et. al. "Vacuum ultraviolet emission from microwave plasmas of hydrogen and its mixtures with helium and oxygen." <i>J. Vac. Sci. Technol.</i> , A12 (3), May/June 1994, pp.879-882.
Horanyi. "Some Basic Electrochemistry and the Cold Nuclear Fusion of Deuterium." <i>J. Radioanal. Nucl. Chem. Letters</i> , Vol 137, No 1, August 21, 1989, pp. 23-28.
http://omm.hut.fi/optics/l_o/2004/luennot/spectroscopy.pdf
http://hyperphysics.phy-astr.gsu.edu/hbase/kinetic/molke.htm
Huizenga. "Abstract from 'New developments in the cold fusion saga'." <i>Abstracts of papers of the American Chemical Society</i> , Vol 207, March 13, 1994, pg. 6.
Huizenga. "Cold Fusion." <i>C & EN</i> , Vol 70, July 20, 1992, pg. 3.
Huizenga. "Cold Fusion Labeled Fiasco of the Century." <i>Forum for Applied Research and Public Policy</i> , Vol 7, No 4, pp. 78-83.
Huizenga. "Cold Fusion-The Scientific Fiasco of the Century." <i>Oxford University Press</i> , 1993.
"Hydrino Theory," < http://en.wikipedia.org/wiki/hydrino_theory >
"The Hydrogen Atom," < http://www.physics.nmt.edu/~raymond/classes/ph13xbook/node208.html >
Hydrogen News 1999 < http://www.ch2bc.org/bulletin/bulletin19991112.htm >
INRS-Energie at Matériaux XPS facility, http://goliath.inrs-ener.quebec.ca/tour/
"Italy-Cold Fusion & Judge's Verdict," (1996), pp. 1-3, available at http://www.padrak.com/ine/cflibel.html .
The Internet Encyclopedia of Philosophy, "Logical Positivism," http://iep.utm.edu/logpos.htm
Jackson, John David. "Classical Electrodynamics." 2 nd Ed., <i>University of California</i> , Berkeley, John Wiley and Sons, 1975, Ch. 14.
Jacox, et. al. "INEL XPS Report." Idaho National Engineering Laboratory, EG &G Idaho, Inc., Nov 1993.
Jansson. "Hydrocatalysis:: A New Energy Paradigm for the 21 st Century." A Thesis, Master of Science in Engineering Degree in the Graduate Division of Rowan University, May 1997.
Jeffreys, et al. "Methods of Mathematical Physics." <i>Cambridge</i> , England, 1950, pp.618.
Johansson, et. al. "A Model for the origin of the anomalous and very bright UV lines of Fe II in gaseous condensations of the star η Carinae" <i>Astronomy & Astrophysics</i> . Volume 378 (2001) pp.266-278.
Jones. "Current Issues in Cold Fusion ... Particles." <i>Surface and Coatings Technology</i> , Vol 51, 1992, pp. 283-289.
Jones, et. al. "Examination of Claims of Miles ... Experiments." <i>J. Phys. Chem.</i> , 1995, pp. 6966-6972.
Jones, et. al. "Faradaic Efficiencies ... Cells." <i>J. Phys. Chem.</i> , 1995, pp. 6973-6979.

Jones, et. al. "Serious Flaws in Patterson (SOFE '95) Demo on Cold Fusion." available at http://x7.dejanews.com , October 1995.
Joyce, et. al. " Ion Distribution functions in an Ar-Cl ECR Discharge." <i>Plasma Sources Sci. Technol.</i> , Vol 9, 2000, pp. 429-436.
Judge, "SHE-2 Latest Solar EUV Measurements"(internet page) www.usc.edu/dept/space_science/seh2data.htm , August 18, 1997
Ivanco, et. al. "Calorimetry For a Ni/K ₂ CO ₃ Cell." <i>AECL Research</i> , June 1994.
Kahn. "Confusion in a Jar," <i>Nova</i> , 1991.
Karabut, et. al. "Nuclear Product...Deuterium." <i>Physics Letters A</i> 170, 1992, pp. 265-272.
Karplus and Porter. <i>Atoms and Molecules: An Introduction for Students of Physical Chemistry</i> , The Benjamin/Cummings Publishing Company, Menlo Park, California, 1970, p. 3, 118-123.
Karplus and Porter. <i>Atoms and Molecules: An Introduction for Students of Physical Chemistry</i> , The Benjamin/Cummings Publishing Company, Menlo Park, California, 1970, p. 567.
Kawai, et. al. "Electron temperature, density, and metastable-atom density of argon electron-cyclotron-resonance plasma discharged by 7.0, 8.0, and 9.4 Ghz microwaves." <i>J. Vac. Sci. Technol. A</i> , Vol 18, No 5, Sep/Oct 2000, pp. 2207-2212.
Keefer, Ph.D., "Interim Report on BlackLight Power Technology: Its Apparent Scientific Basis, State of Development and Suitability for Commercialization by Liebert Corporation."
Kerkhoff. "Zum photochemischen Verhalten sauerstoffhaltiger Komplexe in Alkalihalogenidkristalle." <i>Zeitschrift für Physik</i> , Vol 158, 1960, pp.595-606.
Kerkhoff et al. "Elektronenspin-Resonanz und Photochemie des U ₂ -Zentrums in Alkalihalogenid-Kristallen." <i>Zeitschrift für Physik</i> , Vol 173, 1963, pp.184-202.
Klein. "Attachments to Report of Cold Fusion Testing." <i>Cold Fusion</i> , No 9, pp. 16-19.
Kleinschrod. "Photochemische Zersetzung von KH und KD in KBr-Kristallen." <i>Ausgegeben</i> , Jan. 5, 1939, pp. 143-148.
Kleppner, et. al. "One Hundred Years of Quantum Physics." <i>SCIENCE</i> , Vol 289, Aug 2000, pp. 893-898.
Kline-Anderson, Inc. "Review of Schedule and Resource Requirements to Develop a Hydrocatalysis Functional Prototype Unit." Final Report for Technology Insights, Oct 1996.
Kolos, et. al. "Accurate Adiabatic Treatment of the Ground State of the Hydrogen Molecule*." <i>Journal of Chemical Physics</i> , Vol 41, No 12, Dec 1964, pp. 3663-3673 (Paper I).
Kolos, et. al. "Accurate Electronic Wave Functions for the H ₂ Molecule*." <i>Reviews of Modern Physics</i> , Vol 32, No 2, April 1960, pp. 219-232.
Kolos, et. al. "Improved Theoretical Ground-State Energy of the Hydrogen Molecule*." <i>Journal of Chemical Physics</i> , Vol 49, No 1, July 1968, pp. 404-410 (Paper II).
Kovacevic et. al. "The Dynamic Response of the Plasma on the Dust Formation in Ar/C ₂ H ₂ RF Discharges." <i>International Conference on Phenomena in Ionized Gases</i> available at http://www.iopig.uni-greifswald.de/proceedings/data/kovacevic_1 . (no date listed)
Kreig "Hydrinos: A state below the ground state" (internet page) www.phact.org/e/x/hydrino.htm and http://www.freeenergies.org/bl/bwt/z/hydrino/hydrino.htm (date unknown)
Kreysa, et. al. "A Critical Analysis of Electrochemical Nuclear Fusion Experiments." <i>J. Electroanal. Chem.</i> , Vol 266, 1989, pp. 437-450.

Kuhn, H.G. "Atomic Spectra." Academic Press: New York. 1962. pp. 114-117.
Kuraica, et. al. "Line Shapes of Atomic Hydrogen in a Plane-Cathode abnormal glow discharge." <i>Physical Review A</i> , Vol. 46. No 7, October 1992, pp. 4429-4432.
Kurunczi, et. al. "Excimer formation in high-pressure micro hollow cathode discharge plasmas in helium initiated by low-energy electron collisions." <i>International Journal of Mass Spectrometry</i> , Vol 205, 2001, pp. 277-283.
Kurunczi, et. al. "Hydrogen Lyman- α and Lyman- β emissions from high-pressure micro hollow cathode discharges in Ne-H ₂ mixtures" <i>J. Phys. B: At. Mol. Opt. Phys.</i> , Vol 32, 1999, pp. L651-L658.
Kurtz, et. al. "Report on Calometric Investigations of Gas-Phase Catalyzed Hydrino Formation." Hydrocatalysis Power Corp. Report, December 1996.
Labov. "Spectral Observations...Background." <i>The Astrophysical Journal</i> , Vol 371, April 20, 1991, pp. 810-819.
F. Laloe, "Do we really understand quantum mechanics?" <i>Am. J. Phys.</i> , vol. 69(6), (June 2001), pp. 655-701.
Leggett, et. al. "Exact Upper Bound... 'Cold Fusion'." <i>Physical Review Letters</i> , Vol 63; No 2, July 1989, pp. 190-194.
"Lehigh X-Ray Photoelectron Spectroscopy Report." December 8, 1993.
Lewis, et. al. "Searches for Low-Temperature Nuclear Fusion of Deuterium in Palladium." <i>Nature</i> , Vol 340, August 17, 1989, pp. 525-530.
"The Linear Stark Effect," University of Texas Lecture, http://farside.ph.utexas.edu/teaching/qm/perturbation/node8.html
Luggenholtscher et al., "Investigations on Electric Field Distributions in a Microwave Discharge in Hydrogen", available at http://www.phys.tue.nl/fltd/luggenholtscher.pdf (date unknown)
Lüpke. "Über Sensibilisierung der photochemischen Wirkung in Alkalihalogenidkristallen." <i>Annalen der Physik</i> , Vol 21, 1934, pp. 1-14.
Luque et. al. "Experimental research into the influence of ion dynamics when measuring the electron density from the Stark broadening of the H α and H β lines." <i>Journal of Physics B: Atomic, Molecular, and Optical Physics</i> , Vol. 36. 2003. pp.1573-1584.
Lüty. "Über Die Natur Der V ₃ -Zentren In Strahlungsverfärbtem KCCl." <i>J. Phys. Chem. Solids</i> , Vol 23, 1962, pp. 677-681.
Maly, et. al. "Electron Transitions on Deep Dirac Levels I." <i>ANS Reprint, Fusion Technology</i> , Vol 24, Nov. 1993, pp. 307-318.
Marchese et. al. "The BlackLight Rocket Engine." Phase I Final Report, Rowan University: Glassboror, NJ. May1-November 30, 2002, available at www.niac.usra.edu/files/studies/finalreport . also available at http://engineering.rowan.edu/~marchese/ .
Margenau, et. al. "The Mathematics of Physics and Chemistry." D. Van Nostrand Yale University, 1943, pp. 77-79.
Martienssen. "Photochemische Vorgänge in Alkalihalogenidkristallen." <i>Zeitschrift für Physik</i> , Vol 131, 1952, pp. 488-504.
"Material Hardness," http://www.calce.umd.edu/general/facilities/hardness_ad.htm
Mayo, et. al. "On the Potential of Direct and MHD Conversion of Power from a Novel Plasma Source to Electricity for Micro distributed Power Applications", <i>IEEE Transactions on Plasma Science</i> , submitted.

McNally. "On the Possibility of a Nuclear Mass-Energy Resonance in D + D Reactions at Low Energy." <i>Fusion Technology</i> , Vol 16, No 2, September 1989, pp. 237-239.
McQuarrie. "Quantum Chemistry" University Science Books: Sausalito, CA. 1983 Sections 4-3, 6-4 - 6-9, 8-5 - 8-6 and pp. 221-222.
Merriaman, et. al., "An attempted replication of the CETI Cold Fusion Experiment." published on the Internet, May 1, 1997, available at www.math.ucla.edu/~barry/CF/CETIX.html , pp. 1-17.
Merzbacher, Eugen. "Quantum Mechanics." 1961, p. 198.
Messiah, Albert. "Quantum Mechanics." <i>Rutgers-The State University</i> , Vol 1, 1958, p. 130.
Meulenbroeks, et. al. "The argon-hydrogen expanding plasma: model and experiments." <i>Plasma Sources Sci Technol.</i> , Vol 4, 1995, pp. 74-85.
Meulenbroeks, et. al. "Influence of molecular processes on the hydrogen atomic system in an expanding argon-hydrogen plasma." <i>Phys. Plasmas</i> , Vol 2, No 3, March 1995, pp. 1002-1008.
Miles et. al. "Correlation of Excess...Palladium Cathodes." <i>J. Electronl. Chem.</i> , 1993, pp. 99-117.
Miles et. al. "Electrochemical...Palladium Deuterium System." <i>J. Electroanal Chem.</i> , 1990, pp. 241-254.
Miles et. al. "Heat and Helium...Experiments." <i>Conference Proceedings</i> , Vol 33, 1991, pp. 363-372.
Miles, et. al. "Search for Anomalous Effects... Palladium Cathodes." <i>Naval Air Warfare Center Weapons Division, Proceedings of 3rd Int. Conf. on Cold Fusion</i> , Nagoya, Japan, Oct. 1992, pp. 21-25.
Miller. "Memo from Bennett Miller to Dr. Robert W. Bass." October 9, 1997, pp. 1-10.
Miskelly, et. al. "Analysis of the Published Calorimetric Evidence for Electrochemical Fusion of Deuterium in Palladium." <i>Science</i> , Vol 246, No 4931, November 10, 1989, pp. 793-96.
Monroe, et. al. "A Schrodinger Cat Superposition State of an Atom." <i>Science</i> , Vol 272, May 24, 1996, pp. 1131-1101.
Morrison. "Cold Fusion Update No. 12, ICCPG." Jan 17, 1997, available online at " www.skypoint.com ".
Morrison. "Comments on claims of excess enthalpy by Fleischmann and Pons using simple cells made to boil." <i>Physics Letter A</i> , Vol 185, February 28, 1994, pp. 498-502.
Morrison. "Review of Progress in Cold Fusion." <i>Transactions of Fusion Technology</i> , Vol 26, Dec 1994, pp. 48-55.
Morrison, "Review of Cold Fusion," <i>Sov. Phys. Usp.</i> 34, December 1991, pp. 1055-1060.
Morrison, "Cold Fusion Update No. 10," dated April 1, 1995, available at http://www.skypoint.com/members/slogajan/files/morrison.txt , pp. 1-8.
Morse, et. al. "Methods of Theoretical Physics," Part I, McGraw-Hill Book Co., <i>Massachusetts Institute of Technology</i> , Part 1: Chapters 1-8, 1953, pp. 808-903.
Myers, et. al. "Search for Cold Fusion at D/Pd > 1 Using Ion Implantation." <i>Journal of Fusion Energy</i> , Vol 9, No 3, pp. 30-37, 1990.
Nakhmanson. "The Ghostly Solution of the Quantum Paradoxes and its Experimental Verification." <i>Frontiers of Fundamental Physics</i> . Plenum Press: New York. 1994. pp. 591-596, http://arxiv.org/ftp/physics/papers/0103/0103006.pdf
Neynaber, et. al. "Formation of HeH ⁺ from Low-Energy Collisions of Metastable Helium and Molecular Hydrogen." <i>Journal of Chemical Physics</i> , Vol 57, No 12, Dec. 16, 1972, pp. 5128-5137.

Niedra. "Replication of the Apparent Excess Heat Effect in Light Water ... Cell." <i>NASA Technical Memorandum 107167</i> , Feb. 1996.
Nieminen. "Hydrogen atoms band together." <i>Nature</i> , Vol 356, 26 March 1992, pp. 289-291.
NIST, "Atomic Spectroscopy – Spectral Line Shapes, etc.," available at: http://physics.nist.gov/Pubs/AtSpec/node20html/
NIST's Physical Reference Datasheet, "Energy Levels of Hydrogen and Deuterium," <URL http://physics.nist.gov/PhysRefData/HDEL/index.html >
Noninski. "Excess Heat During the Electrolysis of a Light Water...Nickel Cathode." <i>Fusion Technology</i> , Vol 21, March 1992, pp. 163-167.
Noninski, et. al. "Determination...Heavy Water." <i>Fusion Technology</i> , Vol 19, 1990, pp. 365-367.
Notoya. "Cold Fusion ... Nickel Electrode." <i>Fusion Technology</i> , Vol 24, 1993, pp. 202-204.
Notoya. "Tritium Generation ... Nickel Electrodes." <i>Fusion Technology</i> , Vol 26, 1994, pp. 179-183.
Notoya, et. al. "Excess Heat Production in Electrolysis ... Electrodes." <i>Proceedings of the Int. Conf. on Cold Fusion</i> , Oct. 21-25, 1992, Tokyo, Japan.
Odenthal et al., "The Zeeman Splitting of the 5876 Å Helium Line Studied by Means of a Turnable Dye Laser", <i>Physica</i> , pp. 203-216, 1982
Ohashi, et. al. "Decoding of Thermal Data in Fleischmann-& Pons Paper." <i>J. of Nucl. Sci. & Tech.</i> , Vol 26, No 7, July 1989, pp. 729-732.
Ohmori, et. al. "Excess Heat Evolution ... Tin Cathodes." <i>Fusion Technology</i> , Vol 24, 1993, pp. 293-295.
Oka, et. al. "D ₂ O-fueled fusion power reactor using electromagnetically induced D-D _n , D-D _p , and Deuterium-tritium reactions-preliminary design of a reactor system." <i>Fusion Technology</i> , Vol 16, No 2, September 1989, pp. 263-267.
Park, Robert L. "Perpetual Motion: Still Going Around." <i>Washington Post</i> , January 12, 2000, pg H03.
Park, "Patent Nonsense, Court Denies BlackLight Power Appeal," <i>What's New</i> , September 6, 2002, available at www.aps.org/wn/wn02/wn090602.html .
Park, <i>What's New</i> , Friday 03/17/2006
Park, <i>What's New</i> , Friday 01/13/2006
Park, <i>What's New</i> , Friday 04/26/1991
Pauling, et. al. "Introduction to Quantum Mechanics with Applications to Chemistry." Dover Publications, Inc., <i>Harvard University</i> , 1985, pp. 121-140.
Peterson. "Evaluation of Heat Production from Light Water Electrolysis Cell of Hydrocatalysis Power Corporation." Draft, <i>Westinghouse STC</i> , Feb 1994.
Phillips, et. al. "Additional Calorimetric Examples of Anomalous Heat From Physical Mixture of K/Carbon and PD/Carbon." Consulting Report, Jan 1996.
Plasmaphysics.org. Conversion Table: cgs/SI- units. (internet page) www.plasmaphysics.org.uk/convers.htm . (no author or date listed)
Platt, Charles. "Testing the Current." <i>Washington Post</i> . June 25, 2000, pg X05.
Physics 2000-04 course, "Pauli Spin Matrices," http://axion.physics.ubc.ca/200-04/pauli-spin.pdf
Physics Web 08/05/2005, "Hydrogen results causes controversy"

Popov. "Electrochemical Characterization of BlackLight Power, Inc. MH as Electrodes for Li-ion Batteries." Department of Chemical Engineering University of South Carolina, Feb 2000.
Powell et al. <i>Quantum Mechanics</i> , Addison-Wesley Publishing Co., Inc., pp. 205-229 and 478-482, 1961
Price, et. al. "Search for Energetic-Charged Particle Emission from Deuterated Ti and Pd Foils." <i>Physical Review Letters</i> , Vol 63, No 18, Oct 30, 1989, pp. 1926-1929.
Prop. to the United Press, "Theory May Explain 'Cold Fusion' Puzzle," Lexis Nexis Reprint, 1991.
Quantum Physics 301, "Paradoxes and Interpretation," http://www.teach.phy.bris.ac.uk/level3/phys30100/coursematerials/paradoxes.pdf
Radavanov, et. al. "Ion Kinetic-Energy Distributions and Balmer- α Excitation in Ar-H ² Radio-Frequency Discharges." <i>J. Appl. Phys.</i> , Vol 78, No 2, July 15, 1995, pp. 746-756.
Rathke "A Critical Analysis of the Hydrino Model", <i>New Journal of Physics</i> , May 19, 2005, http://www.iop.org/ej/article/1367-2630/7/1/127/njp5_1_127.html
Rauch et .al. "Some F-Band Optical Oscillator Strengths in Additively Colored Alkali Halides." <i>Physical Review</i> , Feb 1, 1957, Vol 105, pp. 914-920.
Rees. "Cold Fusion...What Do We Think?" <i>Journal of Fusion Energy</i> , Vol 10, No 1, 1991, pp. 110-116.
Real Climate, 20 January 2005, "Peer Review: A Necessary But Not Sufficient Condition," < http://www.realclimate.org/index.php?p=109 >
Roberts, et. al. "Hydrogen Balmer alpha line shapes for hydrogen-argon mixtures in a low-pressure rf discharge." <i>J. App. Phys.</i> , vol. 74, No11, (Dec. 1993).
Rogers, et. al., "Cold Fusion Reaction Products and Their Measurement." <i>Journal of Fusion Technology</i> , Vol 9, No 4, 1990, pp. 483-485.
Rogers. "Isotopic hydrogen fusion in metals." <i>Fusion Technology</i> , Vol 16, No 2, September 1989, pp. 2254-259.
Rosenblum. "Celebrating Y2K Could Prevent Panic, Ease Transition." <i>Re: (ise-I) Institute for Social Ecology Newsletter</i> , Dec. 22, 1998.
Rosenblum. "Four Interviews With Dr. Randell Mills on New Energy, New Physics." <i>Re: (ise-I) Institute for Social Ecology Newsletter</i> , Feb 2, 1998.
K. L. Ross, "Kantian Quantum Mechanics," http://www.friesian.com/space-2.htm
Rothwell. "Italy-Cold Fusion & Judge's Verdict." <i>NEN</i> , Vol 4, No 1, March 26, 1996, available at www.padrak.com/ine/CFLIBEL.html , pp. 9-11.
Rousseau. "Case Studies in Pathological Science." <i>American Scientist</i> , Vol 80, 1992, pp. 54-63.
Rout, et. al. "Phenomenon of Low Energy Emissions from Hydrogen/Deuterium Loaded Palladium." <i>3rd Annual Conference on Cold Fusion</i> , Oct. 21-25, 1992.
Rudd, et. al. "Backward Peak in the Electron Spectrum from Collisions of 70-keV Protons with a Target from a Hydrogen-Atom Source." <i>Physical Review Letters</i> , Vol 68, No 10, March 1992, pp. 1504-1506.
Salamon, et. al. "Limits ... Electrolytic Cells." <i>Nature</i> , Vol 344, March 29, 1990, pp. 401-405.
Schaefer. "Das Ultrarote Spektrum Des U-Zentrums," <i>Phys. Chem. Solids</i> , 1960, Vol. 12, pp. 233-244, Pergamon Press, Great Britain.
Scheerer et al. "Microwave Saturation of Paraelectri-Resonance Transitions of OH ⁻ Ions in Kct:." <i>Solid State Communications</i> , Vol 4, 1966, pp. 639-642.

Schiff, Leonard I. "Quantum Mechanics." <i>Stanford University</i> , 1968, pp. 1, 7-8, 10-12, 21, 54-57, 60-61, 81-82, 101, 527.
Schrieder, et. al. "Search for Cold Nuclear Fusion in Palladium-Deuterium." <i>Z. Phys. B-Condensed Matter</i> , Vol 76, No 2, 1989, pp. 141-142.
Service. "Cold Fusion: Still Going." <i>Newsweek Focus</i> , July 19, 1993.
Shani, et. al. "Evidence for a Background Neutron Enhanced Fusion in Deuterium Absorbed Palladium." <i>Solid State Communications</i> , Vol 72, No 1, 1989, pp. 53-57.
Shaubach, et. al. "Anomalous Heat...Carbonate." <i>Thermacore, Inc.</i> , pp. 1-10.
Shelton, et. al. "An assessment of claims of 'excess heat' in 'cold fusion' calorimetry." <i>Elsevier Science B.V., Thermochimica Acta</i> 297, 1997, pp. 7-15.
Shermer, "Baloney Detection", <i>Scientific American</i> , November 2001
Shkedi, et. al. "Calorimetry, Excess Heat, and Faraday Efficiency in Ni-H ₂ O Electrolytic Cells." <i>Fusion Technology</i> , Vol 28, November 1995, pp. 1720-1731.
Shook. "A Pragmatically Realistic Philosophy of Science." <i>Pragmatic Naturalism and Realism</i> . Prometheus Books: Amherst, NY. 2003, http://www.pragmatism.org/shook/pragmatic_and_realistic.htm .
Silvera, et. al. "Deuterated palladium at temperatures from 4.3 to 400K and pressures to 105 kbar; Search for cold fusion." <i>The American Physical Society, Physical Review B</i> , Vol 42, No 14, November 15, 1990, pp 9143-9146.
Souw, Bernard, "Coherent Telescope array with self-homodyne interferometric detection for optical communications," <i>Opt. Eng.</i> 42(11) 3139-3157 (Nov. 2003).
Souw et al., "Calculation of the Combined Zeeman and translational Stark Effect on the H α -Multiplet", <i>Physica</i> , pp. 353-374, 1983.
E-K Souw, Ph.D. Thesis 1981, University of Dusseldorf, Germany, titled "Investigations of Transport Phenomena in the Wall Region of a Helium Plasma by Means of Spectroscopic Methods."
E.K.Souw, "Plasma Density Measurements in an Imperfect Microwave Cavity," <i>J. Appl. Phys.</i> 61 (1987) p. 1761-1772.
E-K Souw et al., "The Zeeman Splitting of the 5876 A He Line Studied by means of a Tunable Dye Laser," <i>Physica</i> 113c (1982) pp. 203-216.
E-K Souw, "Anomalous Broadening and Splitting of HeI and ArI lines in microwave plasmas," unpublished data, 12/01/2003.
Srianand, et. al. "The cosmic microwave background radiation temperature at a redshift of 2.34." <i>NATURE</i> , Vol 408, Dec 2000, pp. 931-935.
Srinivasan, et. al. "Tritium and Excess Heat Generation during Electrolysis of Aqueous Solutions of Alkali Salts with Nickel Cathode." <i>3rd Annual Conference on Cold Fusion</i> , Oct. 21-25, 1992.
Stein. "Theory May Explain Cold Fusion Puzzle." <i>Lexis Reprint, Washington News</i> , April 25, 1991.

"Stellar Spectra and the Secrets of Starlight" (Internet Pages) www.kingusa.ab.ca/~brian/asto/course/lectures/fall/a200110g.htm (date and author unknown)
Stripp. "Georgia Group Outlines Errors That Led to Withdrawal of Cold Fusion Claims." <i>The Wall Street Journal</i> , April 26, 1989, p. B4.
Storms, et. al. "Electrolytic Tritium Production." <i>Fusion Technology</i> , Vol 17, July 1990, pp. 680-695.
Suplee. "Two New Theories on Cold Fusion...Scientists." <i>The Washington Post 1st Section</i> , 1991, p. A11.
Taubes. "Bad Science." <i>Random House</i> , 1993, pp. 303, 425-481.
Taubes. "Cold Fusion Conundrum at Texas A & M." <i>Science</i> , Vol 248, News & Comment, June 15, 1990, pp. 1299-1304.
Taylor, et. al. "Search for neutrons from Deuterated palladium subject to high electrical currents." <i>Fourth International Conference on Cold Fusion</i> , Maui Hawaii, L.A-UR 94-970, May 4, 1994, pp. 1-11.
Technology Insights. "Draft: Hydrocatalysis Technical Assessment." PACIFICORP, Aug. 2, 1996.
Tegmark, et. al. "100 Years of Quantum Mysteries." <i>Scientific American</i> , Feb 2001, pp. 68-75.
Thermacore, Inc. "SBIR Phase I Nascent Hydrogen: An Energy Source." Final Report, March 1994.
Thomas. "Zur Photocjemie des KH-KBR-Mischjristalles." <i>Annalen der Physik</i> , Vol 38, 1940, pp. 601-608.
Thorne, et. al. "Recombination during the Electrolysis of Light Water in 0.6 M K ₂ CO ₃ Can It Account for the Reports of Excess Heat?" <i>Departments of Physics and Chemistry, Brigham Young University</i> , June 1993.
Time 2 wake up: "New Power SOURCE that turns physics on its head," 11/09/2005.
Tolman, Richard C. "The Principles of Statistical Mechanics." <i>California Institute of Technology</i> , 1979, pp. 180-188.
Turner. "Declaration of Dr. Gary L. Turner." 24 August 2004.
U.S. Department of Commerce, Summary of Ethics Rules, USPTO, 2000; October 15, 2004
Vaselli et. al. "Screening Effect of Impurities in Metals: A possible Explanation of the Process of Cold Nuclear Fusion." 11 Nuovo Cimento Della Societa Italiana di Fisica, Vol. 11D, No. 6, June 1989, Bologna, Italy, pp. 927-932.
Videnovic, et al. "Spectroscopic investigations of a cathode fall region of the Grimm-type glow discharge." <i>Spectrochimica Acta Part B</i> , Vol 51, 1996, pp. 1707-1731.
Vigier. "New Hydrogen Energies in Specially Structured Dense Media : Capillary Chemistry and Capillary Fusion." <i>Proceedings of the Third Annual Conf. on Cold Fusion</i> , Nagoya, Japan, October 21-25, 1992, H. Ikegami, Ed. Universal Academy Press., pp. 325-334.
Vigier. "New Hydrogen (Deuterium) Bohr Orbits." <i>Proc. ICCF4</i> , Vol 4, 1994, p. 7-10.
Welcome to MIT's OpenCourseWare Home Page. MIT 2005. http://ocw.mit.edu/index.html
Weisskopf, V.F. "Recent developments in the theory of the electron." <i>Reviews of Modern Physics</i> , Vol 21, No 2, 1949, pp. 305-315.

Wheeler, et. al. "Quantum Theory and Measurement." English Translation of Heisenburg's Uncertainty Principle Paper, <i>Zeitschrift für Physik</i> , 1927, Vol 43, pp. 172-198.
Wikipedia, Chapter 9: "Peer Review and Fraud," < http://en.wikipedia.org/wiki/peer_review#peer_review_and_fraud >
Williams. "Upper Bounds on Cold Fusion in Electrolytic Cells." <i>Nature</i> , Vol 342, 23 November 1989, pp. 375-384.
Wilson, et. al. "Analysis of experiments on the calorimetry of LiOD-D ₂ O electrochemical cells." <i>Elsevier Sequoia S.A., Journal of Electroanalytical Chemistry</i> , Vol 332, Nos. 1 and 2, August 14, 1992, pp. 1-31.
"XPS (EASC) –SAM," http://www.noveonic.com/measurementscience/analyticalservices/xpsescasam.pdf
Yamaguchi et. al. "Direct Evidence...Palladium." <i>NTT Basic Research Laboratories</i> , 1992 pp. 1-10.
Ziegler, et. al. "Electrochemical Experiments in Cold Nuclear-Fusion." <i>Physical Review Letters</i> , Vol 62, No 25, June 19, 1989, pp. 2929-2932.
Peter D. Zimmerman, "An Analysis of Theoretical Flaws in So-Called Classical Quantum Mechanics and of Experimental Evidence Against CQM" (2001)
Zweig, "Quark Catalysis of Exothermal Nuclear Reactions", <i>Science</i> , Vol. 201, (1978), pp. 973-979.

CRITCHLEY et al, "Energy shifts and forbidden transitions in H ₂ due to electronic g/u symmetry breaking", <i>Molecular Physics</i> , 2003, Vol. 101, Nos. 4-5, pp. 651-661, Taylor & Francis Ltd.	B (ALL)
GAMBUS et al., "Spectroscopic Study of Low-Pressure Water Plasmas and Their Reactions with Liquid Hydrocarbons", <i>Energy & Fuels</i> , 2002, 16, pp. 172-176, American Chemical Society	
AKATSUKA et al., "Stationary population inversion of hydrogen in an arc-heated magnetically trapped expanding hydrogen-helium plasma jet", <i>Physical Review E</i> , 49, 2, pp. 1534-1544, February, 1994, The American Physical Society	
MURAKAMI et al., "Chemisorption of hydrogen into a graphite-potassium intercalation compound C ₈ K studied by means of position annihilation", <i>J. Chem. Phys.</i> , 62 (10), May 15, 1995, American Institute of Physics	
AHN, "Hydrogen Storage in Metal-Modified Single-Walled Carbon Nanotubes", Division of Engineering and Applied Science, California Institute of Technology, September 15, 2001	
DUAN et al., "Numerical calculation of energies of some excited states in a helium atom", <i>Eur. Phys. J.</i> , D 19, (2002), pp. 9-12, Societa Italiana di Fisica, Springer-Verlag 2002	
NIXON et al., "Formation and structure of the potassium graphites", <i>Brit. J. Appl. Phys.</i> , Ser. 2, Vol., 1, pp. 291-299, Great Britain, 2002	
ZELLINGER, "Experiment and the foundations of quantum physics", <i>Reviews of Modern Physics</i> , Vol 71, No. 2, pp. S288-S297, Centenary 1999, The American Physical Society	
COTTON et al, "Complexes of Cyclic 2-Oxacarbenes, I. A Spontaneous Cyclization to Form a Complex of 2-Oxacyclopentylidene", <i>Journal of the American Chemical Society</i> , 93:11, pp. 2672-2676, June 2, 1971	
LINDSAY et al., "A remeasurement of the 2.4 μm spectrum of J = H ₂ pairs in a parahydrogen crystal", <i>Journal of Molecular Spectroscopy</i> , 218. Pp. 131-133, 2003	

JUAREZ et al, "Photoelectron angular distributions of rotationally resolved states in para-H ₂ ⁺ : A closer to the dynamics of molecular photoionisation", The University of Manchester Atomic, Molecular & Laser Manipulation Group, pp.1-5	
WEISSTEIN, "Ortho-Para Hydrogen", http://scienceworld.wolfram.com/physics/Ortho-ParaHydrogen.html	
SMITH, "Infrared spectra of BO ₂ - in the alkali halides-L. Potassium and rubidium halides", Spectrochimica Acts, Vol. 30A, pp. 875-882, Pergamon Press, 1974	
LEITCH et al., "Raman Spectroscopy of Hydrogen Molecules in Crystalline Silicon", Physical Review Letters, 81:2, pp. 421-424, July 13, 1998, The American Physical Society	
CHEN et al., "Key to Understanding Interstitial H ₂ in Si", Physical Review Letters, 88:10, pp. 105507-1 - 105507-4, March 11, 2002, The American Physical Society	
CHEN et al., "Rotation of Molecular Hydrogen in Si: Unambiguous Identification of Ortho-H ₂ and Para-D ₂ ", Physical Review Letters, 88:24, pp. 245503-1 - 245503-4, June 17, 2002, The American Physical Society	
LAVROV et al., "Ortho and Para Interstitial H ₂ in Silicon", Physical Review Letters, 89:21, pp. 215501-1 - 215501-4, November 18, 2002, The American Physical Society	
STAVOLA et al, "Interstitial H ₂ in Si: are all problems solved?", Physica B, pp. 58-66, 200s Elsevier B.V.	
DECIUS et al, "Force Constants of the Metaborate Ion in Alkali Halides", The Journal of Chemical Physics, 56:10, pp. 5189-5190, May 15, 1972	
"Infrared spectra of the metaborate ion in alkali halide solid solution", Research Notes, pp. 600-602	
SMITH, "Anharmonic force field of the metaborate ion in alkali halides", The Journal of Chemical physics, 58:11, pp. 4776-4778, June 1, 1973	
HISATSUNE et al., "Infrared Spectra of Metaborate Monomer and Trimer Ions", Inorganic Chemistry, pp. 168-174	
JONES et al., "Force Constants of Nickel Carbonyl from Vibrational Spectra of Isotopic Species", The Journal of Chemical Physics, 48:6, pp. 2663-2670, March 15, 1968	
SMITH, "Infrared spectra of BO ₂ -in the alkali halides-I. Potassium and rubidium halides", Spectrochimica Acta, 30A, pp. 875-882, 1974, Pergamon Press	
SCHOENFELDER et al., "Kinetics of Thermal Decomposition of TiH ₂ ", J. Vac. Sci. Technol., 10:5, pp. 862-870, Sept./Oct. 1973	
"Emission Characteristics for Scandium Type Dispenser Cathodes", HeatWave Labs, Inc., TB-119, May 24, 2001, Spectra-Mat, Inc.	
"Emission Characteristics of 'M Type' Dispenser Cathodes", HeatWave Labs, Inc., TB-117, May 24, 2001, Spectra-Mat, Inc.	
"Practical Aspects of Modern Dispenser Cathodes", Microwave Journal, September, 1979	

"Standard Series Barium Tungsten Dispenser Cathodes", HeatWave Labs, Inc., TB-198, July 29, 2002, Spectra-Mat, Inc.	
ABATE et al., "Optimization and enhancement of H- ions in a magnetized sheet plasma", Review of Scientific Instruments, 71:10, pp. 3689-3695, October 2000, American Institute of Physics	
CHABERT et al., "On the influence of the gas velocity on dissociation degree and gas temperature in a flowing microwave hydrogen discharge", Journal of Applied Physics, 84:1, pp. 161-167, July 1, 1999, American Institute of Physics	
GORDON et al., "Energy coupling efficiency of a hydrogen microwave plasma reactor", Journal of Applied Physics, 89:3, pp. 1544-1549, February 1, 2001, American Institute of Physics	
RADOVANOV et al., "Time-resolved Balmer-alpha emission from fast hydrogen atoms in low pressure, radio-frequency discharges in hydrogen", Appl. Phys. Lett., 66:20, pp. 2637-2639, May 15, 1995	
DJUROVIC et al., "Hydrogen Balmer alpha line shapes for hydrogen-argon mixtures in a low-pressure rf discharge", J. Appl. Phys., 74:11, pp. 6558-6565, December 1, 1993, American Institute of Physics	
KONJEVIC, "Plasma Broadening and Shifting of Non-Hydrogenic Spectral Lines: Present Status and Applications", Physics Reports, 315, pp. 339-401, 1999, Elsevier	
BENESCH et al., "Line shapes of atomic hydrogen in hollow-cathode discharges", Optics Letters, 9:8, pp. 338-340, August 1984, Optical Society of America	
AYERS, et al., "Shapes of atomic-hydrogen lines produced at a cathode surface", Physical Review A, 37:1, pp. 194-200, January 1, 1988, The American Physical Society	
ADAMOV, et al., "Doppler Spectroscopy of Hydrogen and Deuterium Balmer Alpha Line in an Abnormal Glow Discharge", IEEE Transactions on Plasma Science, 31:3, pp. 444-454, June 3, 2003	
JOVICEVIC et al., "Excessive Balmer line broadcasting in microwave-induced discharges", Journal of Applied Physics, 95:1, pp. 24-29, January 1, 2004, American Institute of Physics	
DJUROVIC et al., "Hydrogen Balmer alpha line shapes for hydrogen-argon mixtures in a low-pressure rf discharge", J. Appl. Phys., 74:11, pp. 6558-6565, December 1, 1993, American Institute of Physics	
MAYO, "Thermalization and Energy Distribution in Cold Laboratory Plasmas Comments on the Possibility of Mono-Energetic Species", April 20, 2004	
VIDENOVIC et al., "Spectroscopic investigations of a cathode fall region of the Grimm-type glow discharge", Spectrochimica Acta Part B, 51, pp. 1707-1731, 1996	
BARBEAU et al., "Spectroscopic investigation of energetic atoms in a DC hydrogen flow discharge, pp. 1168-1174, 1990 IOP Publishing Ltd.	
KONJEVIC et al., "Emission Spectroscopy of the Cathode Fall Region of an Analytical Glow", J. Phys. IV France, 7, pp. C4-247-C4-258, October 1997	
LIFSHITZ et al., "Resonance absorption measurements of atom concentrations in reacting gas mixtures. I. Shapes of H and D Lyman- α lines from microwave sources", J. Chem. Phys., 70:12, pp. 5607-5613, June 15, 1979, American Institute of Physics	

KURAICA et al., "Line shapes of atomic hydrogen in a plane-cathode abnormal glow discharge", Physical Review A, 46:7, pp. 4429-4432, October 1, 1992, The American Physical Society	F
KURAICA et al., "On the Atomic Hydrogen Line Shapes in a Plane-Cathode Obstructed Glow Discharge", Physica Scripta., 50, pp. 487-492, 1994	
OLTHOFF et al., "Studies of Ion Kinetic-Energy Distributions in the Gaseous Electronics Conference RF Reference Cell", Journal of Research of the National Institute of Standards and Technology, 100:4, pp. 383-400, July-August 1995	
ALEXEFF et al., "Collisionless Ion-Wave Propagation and the Determination of the Compressions Coefficient of Plasma Electrons", Physical Review Letters, 15:7, pp. 286-288, August 16, 1999	
ARATA et al., "Reproducible 'Cold' Fusion Reaction Using a Complex Cathode", Fusion Technology, 22, pp. 287-295, September 1992	
BURKHOLDER et al., "Reactions of boron atoms with molecular oxygen. Infrared spectra of BO, BO ₂ , B ₂ O ₂ , B ₂ O ₃ , and BO ₂ in solid argon", J. Chem. Phys., 95:12, pp. 8697-8709, December 15, 1991	
SPURGIN, "Direct Conversion of the Random Thermal Energy of a Plasma Into Electrical Energy", Master's Thesis, The University of South Florida, June 1972	
Technology Insights, "Hydro Catalysis Technical Assessment," (Part of 09/009,837 paper no.: 20050207. This document was submitted by R. Mills on 7/17/02 in copending application 09/669,877).	
Notes on David Peat, "Einstein's Moon: Bell's Theorem and the Curious Quest for Quantum Reality," History and Philosophy of Science-Fall, 1997-Dr. Ess, < www.drury.edu/ess/philsci/bell.html >	
"Average Molecular Kinetic Energy", < http://hyperphysics.phy-astr.gsu.edu/hbase/kinetic/molke.html >	

116. K. Akhtar, J. Scharer, R. L. Mills, "Substantial Doppler Broadening of Atomic Hydrogen Lines in DC and Capacitively Coupled RF Plasmas," IEEE Transactions on Plasma Science, submitted. (Internet Publication Date: June 6, 2006.)
115. R.L. Mills, H. Zea, J. He, B. Dhandapani, "Water Bath Calorimetry on a Catalytic Reaction of Atomic Hydrogen," International Journal of Hydrogen Energy, in press. (Internet Publication Date: May 12, 2006)
114. R.L. Mills, K. Akhtar, B. Dhandapani, "Tests of Features of Field-Acceleration Models for the Extraordinary Selective H Balmer α Broadening in Certain Hydrogen Mixed Plasmas," J. Plasma Phys., submitted. (Internet Publication Date: June 24, 2005.)
113. R.L. Mills, "Physical Solutions of the Nature of the Atom, Photon, and Their Interactions to Form Excited and Predicted Hydrino States," Physics Essay, in press. . (Internet Publication Date: June 9, 2005.)
112. R. L. Mills, J. He, Y. Lu, Z. M. Nansteel, Chang, B. Dhandapani, "Comprehensive Identification and Potential Applications of New States of Hydrogen," Int. J. Hydrogen Energy, Vol. 32, (2007), 2988-3009. (Internet Publication Date: May 9, 2005.)

111. R. L. Mills, J. He, Z. Chang, W. Good, Y. Lu, B. Dhandapani, "Catalysis of Atomic Hydrogen to Novel Hydrogen Species $H(1/4)$ and $H_2(1/4)$ as a New Power Source," *International Journal of Hydrogen Energy*, Vol. 32(13), (2007), pp. 2573–2584. (Internet Publication Date: May 6, 2005.)
110. R. L. Mills, J. He, Z. Chang, W. Good, Y. Lu, B. Dhandapani, "Catalysis of Atomic Hydrogen to Novel Hydrides as a New Power Source," *Prepr. Pap.—Am. Chem. Soc., Div. Fuel Chem.* 2005, 50(2). (Internet Publication Date: April 22, 2005.)
109. R. L. Mills, M. Nansteel, J. He, B. Dhandapani, "Low-Voltage EUV and Visible Light Source Due to Catalysis of Atomic Hydrogen," *J. Plasma Physics*, submitted. (Internet Publication Date: April 15, 2005.)
108. R. L. Mills, J. He, M. Nansteel, B. Dhandapani, "Catalysis of Atomic Hydrogen to New Hydrides as a New Power Source," *International Journal of Global Energy Issues (IJGEI)*. Special Edition in Energy Systems, in press. (Internet Publication Date: April 4, 2005.)
107. R. L. Mills, "Maxwell's Equations and QED: Which is Fact and Which is Fiction," *Physics Essays*, in press. (Internet Publication Date: October 28, 2004.)
106. R. L. Mills, "Exact Classical Quantum Mechanical Solution for Atomic Helium which Predicts Conjugate Parameters from a Unique Solution for the First Time," *Physics Essays*, submitted. (Internet Publication Date: October 28, 2004.)
105. J. Phillips, C. K. Chen, R. L. Mills, "Evidence of Catalytic Production of Hot Hydrogen in RF-Generated Hydrogen/Argon Plasmas," *International Journal of Hydrogen Energy*, Vol. 32, (2007), 3010–3025. (Internet Publication Date: September 7, 2004.)
104. R. L. Mills, Y. Lu, M. Nansteel, J. He, A. Voigt, W. Good, B. Dhandapani, "Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," *Division of Fuel Chemistry, Session: Advances in Hydrogen Energy*, 228th American Chemical Society National Meeting, August 22–26, 2004, Philadelphia, PA.
103. R. L. Mills, Dhandapani, W. Good, J. He, "New States of Hydrogen Isolated from K_2CO_3 Electrolysis Gases," *Chemical Engineering Science*, submitted. (Internet Publication Date: April 28, 2004.)
102. R. L. Mills, "Exact Classical Quantum Mechanical Solutions for One- through Twenty-Electron Atoms," *Phys. Essays*, Vol. 18, No. 3 (2005), 321–361. (Internet Publication Date: April 22, 2004.)
101. Mills et al. "Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," *Division of Fuel Chemistry, Session: Chemistry of Solid, Liquid, and Gaseous Fuels*, 227th American Chemical Society National Meeting, March 28–April 1, 2004, Anaheim, CA.
100. Mills et al., "Highly Stable Amorphous Silicon Hydride from a Helium Plasma Reaction," *Materials Chemistry and Physics*, 94/2-3, (2005), pp. 298–307. (Internet Publication Date: Nov. 17, 2003.)
99. Mills et al., "Spectral Identification of $H_2(1/2)$," submitted.
98. R. L. Mills, Y. Lu, J. He, M. Nansteel, P. Ray, X. Chen, A. Voigt, B. Dhandapani, "Spectral Identification of New States of Hydrogen," *New Journal of Chemistry*, submitted. (Internet Publication Date: Nov. 18, 2003.)
97. Mills et al., "Evidence of an Energy Transfer Reaction Between Atomic Hydrogen and Argon II or Helium II as the Source of Excessively Hot H Atoms in RF Plasmas," *Journal of Plasma Physics*, Vol. 72, Issue 4, (2006), pp. 469–484. (Internet Publication Date: Sept. 26, 2003.)
96. Mills et al., "Evidence of the Production of Hot Hydrogen Atoms in RF Plasmas by Catalytic Reactions Between Hydrogen and Oxygen Species," *J. Plasma Phys.*, submitted. (Internet Publication Date: Sept. 12, 2003.)

95. Mills et al., "Excessive Balmer α Line Broadening of Water-Vapor Capacitively-Coupled RF Discharge Plasmas," IEEE Transactions on Plasma Science, submitted. (Internet Publication Date: Aug. 18, 2003.)
94. Mills, "The Nature of the Chemical Bond Revisited and an Alternative Maxwellian Approach," Physics Essays, Vol. 17, (2004), pp. 342-389. (Internet Publication Date: Aug. 6, 2003.)
93. Mills et al., "Energetic Catalyst-Hydrogen Plasma Reaction Forms a New State of Hydrogen," Doklady Chemistry, submitted.
92. Mills et al., "Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Central European Journal of Physics, submitted. (Internet Publication Date: June 6, 2003.)
91. R. Mills, P. Ray, "New H I Laser Medium Based on Novel Energetic Plasma of Atomic Hydrogen and Certain Group I Catalysts," J. Plasma Physics, submitted.
90. Mills et al., "Characterization of Energetic Catalyst-Hydrogen Plasma Reaction as a Potential New Energy Source," Am. Chem. Soc. Div. Fuel Chem. Prepr., Vol. 48, No. 2, (2003).
89. Mills et al., "Hydrogen Plasmas Generated Using Certain Group I Catalysts Show Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride," Fizika A, submitted.
88. Mills et al., "Role of Atomic Hydrogen Density and Energy in Low Power CVD Synthesis of Diamond Films," Thin Solid Films, 478, (2005), pp. 77-90. (Internet Publication Date: Dec. 22, 2003.)
87. Mills et al., "Liquid-Nitrogen-Condensable Molecular Hydrogen Gas Isolated from a Catalytic Plasma Reaction," J. Phys. Chem. B, submitted.
86. Mills et al., "Novel Spectral Series from Helium-Hydrogen Evenson Microwave Cavity Plasmas that Matched Fractional-Principal-Quantum-Energy-Level Atomic and Molecular Hydrogen," European Journal of Physics, submitted. (Internet Publication Date: April 24, 2003.)
85. Mills et al., "Highly Pumped Inverted Balmer and Lyman Populations," New Journal of Physics, submitted.
84. Mills et al., "Comparison of Balmer α Line Broadening and Power Balances of Helium-Hydrogen Plasma Sources," Braz. J. Phys., submitted. (Internet Publication Date: March 12, 2003.)
83. Mills et al., "Comparison of Water-Plasma Sources of Stationary Inverted Balmer and Lyman Populations for a CW HI Laser," J. Appl. Spectroscopy, in preparation.
82. Mills et al., "Synthesis and Characterization of Diamond Films from MPCVD of an Energetic Argon-Hydrogen Plasma and Methane," Journal of Materials Science, submitted. (Internet Publication Date: May 7, 2003.)
81. R. Mills, et. al., "Spectroscopic and NMR Identification of Novel Hydride Ions in Fractional Quantum Energy States Formed by an Exothermic Reaction of Atomic Hydrogen with Certain Catalysts," European Physical Journal: Applied Physics, 28, (2004), pp. 83-104. (Internet Publication Date: Feb. 21, 2003.)
80. Mills, "The Fallacy of Feynman's Argument on the Stability of the Hydrogen Atom According to Quantum Mechanics," Annales De La Fondation Louis De Broglie, Vol. 30, No. 2, (2005), pp. 129-151. (Internet Publication Date: Jan. 27, 2003.)
79. Mills et al., "Comparison of Catalysts and Microwave Plasma Sources of Vibrational Spectral Emission of Fractional-Rydberg-State Hydrogen Molecular Ion," Canadian Journal of Physics, submitted.
78. Mills et al., "Vibrational Spectral Emission of Fractional-Principal-Quantum-Energy-Level Molecular Hydrogen", J. of the Physical Society of Japan, submitted. (Internet Publication Date: Sept. 9, 2002.)

77. Mills et al., "Water Bath Calorimetric Study of Excess Heat in 'Resonant Transfer' Plasmas," <i>Journal of Applied Physics</i> , Vol. 96, No. 6, (2004), pp. 3095-3102. (Internet Publication Date: June 16, 2003.)
76. Mills et al., "Comparison of Catalysts and Microwave Plasma Sources of Spectral Emission of Fractional-Principal-Quantum-Energy-Level Atomic and Molecular Hydrogen," <i>Journal of Applied Spectroscopy</i> , submitted. (Internet Publication Date: Feb. 12, 2002.)
75. Mills et al., "Novel Liquid-Nitrogen-Condensable Molecular Hydrogen Gas," <i>Acta Physica Polonica A</i> , submitted. (Internet Publication Date: Oct. 29, 2002.)
74. Mills et al., "Spectroscopic Study of Unique Line Broadening and Inversion in Low Pressure Microwave Generated Water Plasmas," <i>Journal of Plasma Physics</i> , Vol. 71, Part 6, (2005), pp. 877-78. (Internet Publication Date: June 18, 2003.)
73. Mills et al., "Energetic Helium-Hydrogen Plasma Reaction," <i>AIAA Journal</i> , submitted. (Internet Publication Date: July 26, 2002.)
72. R. L. Mills, M. Nansteel, P. C. Ray, "Bright Hydrogen-Light and Power Source due to a Resonant Energy Transfer with Strontium and Argon Ions," <i>Vacuum</i> , submitted.
71. Mills et al., "Power Source Based on Helium-Plasma Catalysis of Atomic Hydrogen to Fractional Rydberg States," <i>Contributions to Plasma Physics</i> , submitted.
70. Mills et al., "Comparison of Catalysts and Plasma Sources of Vibrational Spectral Emission of Fractional-Rydberg-State Hydrogen Molecular Ion," <i>The European Journal of Applied Physics</i> , submitted. (Internet Publication Date: Sept. 2, 2002.)
69. Mills et al., "Spectroscopic Characterization of the Atomic Hydrogen Energies and Densities and Carbon Species During Helium-Hydrogen-Methane Plasma CVD Synthesis of Diamond Films," <i>Chemistry of Materials</i> , Vol. 15, (2003), pp. 1313-1321. (Internet Publication Date: Dec. 31, 2002.)
68. Mills, et. al. "Stationary Inverted Balmer and Lyman Populations for a CW HI Water-Plasma Laser." <i>IEEE Transactions on Plasma Science</i> , submitted. (Internet Publication Date: August 16, 2002)
67. Mills et al., "Extreme Ultraviolet Spectroscopy of Helium-Hydrogen Plasma," <i>J. Phys. D</i> , Vol. 36, (2003), pp. 1535-1542. (Internet Publication Date: July 17, 2002.)
66. Mills et al., "Spectroscopic Evidence for a Water-Plasma Laser," <i>Europhysics Letters</i> , submitted. (Internet Publication Date: Sept. 19, 2002.)
65. Mills et al., "Spectroscopic Evidence for Highly Pumped Balmer and Lyman Populations in a Water-Plasma," <i>J. of Applied Physics</i> , submitted. (Internet Publication Date: Sept. 18, 2002.)
64. Mills et al., "Low Power MPCVD of Diamond Films on Silicon Substrates," <i>Journal of Vacuum Science & Technology A</i> , submitted. (Internet Publication Date: June 26, 2002.)
63. Mills et al., "Plasma Power Source Based on a Catalytic Reaction of Atomic Hydrogen Measured by Water Bath Calorimetry," <i>Thermochimica Acta</i> , Vol. 406, Issue 1-2, (2003), pp. 35-53. (Internet Publication Date: June 25, 2002.)
62. Mills et al., "Synthesis and Spectroscopic Identification of Lithium Chloro Hydride," <i>Inorganica Chimica Acta</i> , submitted.
61. Mills et al., "Highly Stable Amorphous Silicon Hydride," <i>Solar Energy Materials & Solar Cells</i> , Vol. 80, No. 1, (2003), pp. 1-20. (Internet Publication Date: April 15, 2002.)
60. Mills et al., "Synthesis of HDLC Films from Solid Carbon," <i>Journal of Materials Science</i> , Vol. 39, (2004), pp. 3309-3318. (Internet Publication Date: May 3, 2002.)
59. Mills et al., "The Potential for a Hydrogen Water-Plasma Laser," <i>Applied Physics Letters</i> , Vol. 82, No. 11, (2003), pp. 1679-1681. (Internet Publication Date: July 11, 2002.)

58. Mills, "Classical Quantum Mechanics," Physics Essays, Vol. 16, (2003), pp. 433-498. (Internet Publication Date: May 23, 2002.)
57. Mills, et. al. "Spectroscopic Characterization of Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride Ion Formed by a Catalytic Reaction of Atomic Hydrogen and Certain Group I Catalysts, J. of Quantitative Spectroscopy and Radiative Transfer," No. 39, sciencedirect.com, April 17, 2003.
56. R. M. Mayo, R. Mills, "Direct Plasmadynamic Conversion of Plasma Thermal Power to Electricity for Microdistributed Power Applications," 40th Annual Power Sources Conference, Cherry Hill, NJ, June 10-13, (2002), pp. 1-4. (Internet Publication Date: March 28, 2002.)
55. Mills et al., "Chemically-Generated Stationary Inverted Lyman Population for a CW HI Laser," European J of Phys. D, submitted. (Internet Publication Date: April 22, 2002.)
54. Mills et al., "Stationary Inverted Lyman Population Formed from Incandescently Heated Hydrogen Gas with Certain Catalysts," J. Phys. D, Applied Physics, Vol. 36, (2003), pp. 1504-1509. (Internet Publication Date: March 20, 2002) also submitted to Chem Phys. Letts.
53. Mills, "A Maxwellian Approach to Quantum Mechanics Explains the Nature of Free Electrons in Superfluid Helium." Braz. J. Phys, submitted. (Internet Publication Date: June 4, 2002)
52. Mills et al., "Bright Hydrogen-Light Source due to a Resonant Energy Transfer with Strontium and Argon Ions," New Journal of Physics, Vol. 4, (2002), pp. 70.1-70.28. (Internet Publication Date: October, 2002)
51. Mills et al., "CW HI Laser Based on a Stationary Inverted Lyman Population Formed from Incandescently Heated Hydrogen Gas with Certain Group I Catalysts," IEEE Transactions on Plasma Science, Vol. 31, No. 2, (2003), pp. 236-247. (Internet Publication Date: Feb. 4, 2002.)
50. Mills et al., "Spectral Emission of Fractional-Principal-Quantum-Energy-Level Atomic and Molecular Hydrogen," Vibrational Spectroscopy, Vol. 31, No. 2, (2003), pp. 195-213.
49. Mills et al., "Comparison of Excessive Balmer Line Broadening of Inductively and Capacitively Coupled RF, Microwave, and Glow Discharge Hydrogen Plasmas with Certain Catalysts," IEEE Transactions on Plasma Science, Vol. 31, No. 3, (2003), pp. 338-355. (Internet Publication Date: Sept. 17, 2002.)
48. Mills et al., "Direct Plasmadynamic Conversion of Plasma Thermal Power to Electricity," IEEE Transactions on Plasma Science, October, (2002), Vol. 30, No. 5, pp. 2066-2073. (Internet Publication Date: March 26, 2002.)
47. H. Conrads, R. Mills, Th. Wrubel, "Emission in the Deep Vacuum Ultraviolet from a Plasma Formed by Incandescently Heating Hydrogen Gas with Trace Amounts of Potassium Carbonate," Plasma Sources Science and Technology, Vol. 12, (2003), pp. 389.
46. Mills et al., "Emission in the Deep Vacuum Ultraviolet from a Plasma Formed by Incandescently Heating Hydrogen Gas with Trace Amounts of Potassium Carbonate," Plasma Sources Science and Technology, Vol 12, (2003), pp. 389-395.
45. Mills et al., "Synthesis and Characterization of a Highly Stable Amorphous Silicon Hydride as the Product of a Catalytic Helium-Hydrogen Plasma Reaction," Int. J. Hydrogen Energy, Vol. 28, No. 12, (2003), pp. 1401-1424. (Internet Publication Date: April 15, 2002.)
44. Mills, et. al. "Synthesis and Characterization of Lithium Chloro Hydride", *International Journal of Hydrogen Energy*, submitted. (Internet Publication Date: January 7, 2002.)
43. Mills et al., "Substantial Changes in the Characteristics of a Microwave Plasma Due to Combining Argon and Hydrogen," New Journal of Physics, www.njp.org, Vol. 4, (2002), pp. 22.1-22.17. (Internet Publication Date: Dec. 27, 2001.)

42. Mills et al., "A Comprehensive Study of Spectra of the Bound-Free Hyperfine Levels of Novel Hydride Ion, Hydrogen, Nitrogen, and Air," *Int. J. Hydrogen Energy*, Vol. 28, No. 8, (2003), pp. 825–871. (Internet Publication Date: Nov. 14, 2001.)
41. Mills et al., "Novel Alkali and Alkaline Earth Hydrides for High Voltage and High Energy Density Batteries," *Proceedings of the 17th Annual Battery Conference on Applications and Advances*, California State University, Long Beach, CA, (January 15-18, 2002), pp. 1–6. (Internet Publication Date: Nov. 9, 2001.)
40. Mills et al., "On the Potential of Direct and MHD Conversion of Power from a Novel Plasma Source to Electricity for Microdistributed Power Applications," *IEEE Transactions on Plasma Science*, August, (2002), Vol. 30, No. 4, pp. 1568–1578. (Internet Publication Date: Nov. 12, 2001.)
39. Mills et al., "Stationary Inverted Lyman Populations and Free-Free and Bound-Free Emission of Lower-Energy State Hydride Ion Formed by an Exothermic Catalytic Reaction of Atomic Hydrogen and Certain Group I Catalysts," *J. Phys. Chem. A*, submitted. (Internet Publication Date: Nov. 13, 2001.)
38. Mills et al., "Highly Stable Novel Inorganic Hydrides from Aqueous Electrolysis and Plasma Electrolysis," *Electrochimica Acta*, Vol. 47, No. 24, (2002), pp. 3909–3926. (Internet Publication Date: June 13, 2002.)
37. Mills et al., "Comparison of Excessive Balmer Line Broadening of Glow Discharge and Microwave Hydrogen Plasmas with Certain Catalysts," *J. of Applied Physics*, (2002), Vol. 92, No. 12, pp. 7008–7022. (Internet Publication Date: Oct. 9, 2002.)
36. Mills et al., "Emission Spectroscopic Identification of Fractional Rydberg States of Atomic Hydrogen Formed by a Catalytic Helium-Hydrogen Plasma Reaction," *Vacuum*, submitted. (Internet Publication Date: Oct. 9, 2001.)
35. Mills et al., "New Power Source from Fractional Rydberg States of Atomic Hydrogen," *Current Appl. Phys.*, submitted. (Internet Publication Date: Oct. 9, 2001.)
34. Mills et al., "Spectroscopic Identification of Transitions of Fractional Rydberg States of Atomic Hydrogen," *J. of Quantitative Spectroscopy and Radiative Transfer*, in press. (Internet Publication Date: Oct. 9, 2001.)
33. Mills et al., "New Power Source from Fractional Quantum Energy Levels of Atomic Hydrogen that Surpasses Internal Combustion," *J Mol. Struct.*, Vol. 643, No. 1-3, (2002), pp. 43–54. (Internet Publication Date: Oct. 10, 2001.)
32. Mills et al., "Spectroscopic Identification of a Novel Catalytic Reaction of Rubidium Ion with Atomic Hydrogen and the Hydride Ion Product," *Int. J. Hydrogen Energy*, Vol. 27, No. 9, (2002), pp. 927–935. (Internet Publication Date: Sept. 19, 2001.)
31. Mills et al., "Measurement of Energy Balances of Noble Gas-Hydrogen Discharge Plasmas Using Calvet Calorimetry," *Int. J. Hydrogen Energy*, Vol. 27, No. 9, (2002), pp. 967–978. (Internet Publication Date: Sept. 14, 2001.)
30. Mills et al., "Measurement of Hydrogen Balmer Line Broadening and Thermal Power Balances of Noble Gas-Hydrogen Discharge Plasmas," *Int. J. Hydrogen Energy*, Vol. 27, No. 6, (2002), pp. 671–685. (Internet Publication Date: Aug. 22, 2001.)
29. Mills et al., "Vibrational Spectral Emission of Fractional-Principal-Quantum-Energy-Level Hydrogen Molecular Ion," *Int. J. Hydrogen Energy*, Vol. 27, No. 5, (2002), pp. 533–564. (Internet Publication Date: July 19, 2001.)
28. Mills et al., "Spectral Emission of Fractional Quantum Energy Levels of Atomic Hydrogen from a Helium-Hydrogen Plasma and the Implications for Dark Matter," *Int. J. Hydrogen Energy*, (2002), Vol. 27, No. 3, pp. 301–322. (Internet Publication Date: Aug. 1, 2001.)

27. Mills, et. al. "Spectroscopic Identification of a Novel Catalytic Reaction of Potassium and Atomic Hydrogen and the Hydride Ion Product", *International Journal of Hydrogen Energy*, Vol. 27, No. 2, (2002), pp. 183-192. (Internet Publication Date: January 11, 2002)
26. Mills, "BlackLight Power Technology-A New Clean Hydrogen Energy Source with the Potential for Direct Conversion to Electricity," Proceedings of the National Hydrogen Association, 12 th Annual U.S. Hydrogen Meeting and Exposition, Hydrogen: The Common Thread, The Washington Hilton and Towers, Washington DC, (March 6-8, 2001), pp. 671-697. (Presented at the conference on March 7, 2001; Internet Publication Date: April 20, 2001.)
25. Mills, et. al. "Minimum heat of formation of potassium iodo hydride." *International Journal of Hydrogen Energy*, Vol 26, 2001, pp. 1199-1208. (Internet Publication Date: March 23, 2001)
24. Mills, et al. "Stereoscopic Identification of a Novel Catalytic Reaction of Atomic Hydrogen and the hydride ion product." *International Journal of Hydrogen Energy*, Vol. 26. 2001. pp.1041-1058. (Internet Publication Date: March 23, 2001.)
23. Mills et al., "Optically Measured Power Balances of Glow Discharges of Mixtures of Argon, Hydrogen, and Potassium, Rubidium, Cesium, or Strontium Vapor," *Int. J. Hydrogen Energy*, Vol. 27, No. 6, (2002), pp. 651-670. (Internet Publication Date: July 20, 2001.)
22. Mills, "The Grand Unified Theory of Classical Quantum Mechanics," Global Foundation, Inc. *Orbis Scientiae* entitled The Role of Attractive and Repulsive Gravitational Forces in Cosmic Acceleration of Particles The Origin of the Cosmic Gamma Ray Bursts, (29th Conference on High Energy Physics and Cosmology Since 1964) Dr. Behram N. Kursunoglu, Chairman, December 14-17, 2000, Lago Mar Resort, Fort Lauderdale, FL, Kluwer Academic/Plenum Publishers, New York, pp. 243-258. (Presented at the conference on Dec. 15, 2000. (Internet Publication Date: May 17, 2001.)
21. Mills, "The Grand Unified Theory of Classical Quantum Mechanics," *Int. J. Hydrogen Energy*, Vol. 27, No. 5, (2002), pp. 565-590. (Internet Publication Date: Sept. 17, 2001.)
20. Mills et al., "Argon-Hydrogen-Strontium Discharge Light Source," *IEEE Transactions on Plasma Science*, Vol. 30, No. 2, (2002), pp. 639-653. (Internet Publication Date: Dec. 7, 2000.)
19. Mills et al., "Identification of Compounds Containing Novel Hydride Ions by Nuclear Magnetic Resonance Spectroscopy," *Int. J. Hydrogen Energy*, Vol. 26, No. 9, (2001), pp. 965-979. (Internet Publication Date: March 22, 2001.)
18. Mills, "BlackLight Power Technology-A New Clean Energy Source with the Potential for Direct Conversion to Electricity," Global Foundation International Conference on "Global Warming and Energy Policy," Dr. Behram N. Kursunoglu, Chairman, Fort Lauderdale, FL, November 26-28, 2000, Kluwer Academic/Plenum Publishers, New York, pp. 187-202. (Presented at the conference on Nov. 26, 2000. (Internet Publication Date: Jan. 19, 2001.)
17. Mills, "The Nature of Free Electrons in Superfluid Helium—a Test of Quantum Mechanics and a Basis to Review its Foundations and Make a Comparison to Classical Theory," *Int. J. Hydrogen Energy*, Vol. 26, No. 10, (2001), pp. 1059-1096. (Internet Publication Date: Dec. 11, 2000.)
16. Mills et al., "Excessively Bright Hydrogen-Strontium Plasma Light Source Due to Energy Resonance of Strontium with Hydrogen," *J. of Plasma Physics*, Vol. 69, (2003), pp. 131-158. (Internet Publication Date: Aug. 27, 2001.)
15. Mills et al., "Observation of Extreme Ultraviolet Hydrogen Emission from Incandescently Heated Hydrogen Gas with Certain Catalysts," *Int. J. Hydrogen Energy*, Vol. 25, (2000), pp. 919-943. (Internet Publication Date: June 27, 2000.)
14. R. Mills, "Observation of Extreme Ultraviolet Emission from Hydrogen-KI Plasmas Produced by a Hollow Cathode Discharge," *Int. J. Hydrogen Energy*, Vol. 26, No. 6, (2001), pp. 579-592. (Internet Publication Date: July 10, 2000.)

13. Mills, "Temporal Behavior of Light-Emission in the Visible Spectral Range from a Ti-K ₂ CO ₃ -H-Cell," <i>Int. J. Hydrogen Energy</i> , Vol. 26, No. 4, (2001), pp. 327–332. (Internet Publication Date: July 10, 2000.)
12. Mills et al., "Formation of a Hydrogen Plasma from an Incandescently Heated Hydrogen-Catalyst Gas Mixture with an Anomalous Afterglow Duration," <i>Int. J. Hydrogen Energy</i> , Vol. 26, No. 7, July, (2001), pp. 749–762. (Internet Publication Date: June 28, 2000.)
11. Mills et al., "Observation of Extreme Ultraviolet Hydrogen Emission from Incandescently Heated Hydrogen Gas with Strontium that Produced an Anomalous Optically Measured Power Balance," <i>Int. J. Hydrogen Energy</i> , Vol. 26, No. 4, (2001), pp. 309–326. (Internet Publication Date: June 27, 2000.)
10. Mills et al., "Synthesis and Characterization of Potassium Iodo Hydride," <i>Int. J. of Hydrogen Energy</i> , Vol. 25, Issue 12, December, (2000), pp. 1185–1203. (Internet Publication Date: Nov. 12, 2001.)
9. Mills. "Novel inorganic hydride." <i>International Journal of Hydrogen Energy</i> , Vol 25, 2000, pp. 669-683. (Internet Publication Date: June 28, 2000)
8. Mills et al., "Synthesis and Characterization of Novel Hydride Compounds," <i>Int. J. of Hydrogen Energy</i> , Vol. 26, No. 4, (2001), pp. 339–367. (Internet Publication Date: June 13, 2001.)
7. R. Mills, "Highly Stable Novel Inorganic Hydrides," <i>Journal of New Materials for Electrochemical Systems</i> , Vol. 6, (2003), pp. 45-54. (Internet Publication Date: Nov. 20, 2001.)
6. R. Mills, "Novel Hydrogen Compounds from a Potassium Carbonate Electrolytic Cell," <i>Fusion Technology</i> , Vol. 37, No. 2, March, (2000), pp. 157-182. (Internet Publication Date: June 26, 2000.)
5. Mills, "The Hydrogen Atom Revisited," <i>Int. J. of Hydrogen Energy</i> , Vol. 25, Issue 12, December, (2000), pp. 1171–1183. (Internet Publication Date: June 27, 2000.)
4. Mills et al., "Fractional Quantum Energy Levels of Hydrogen," <i>Fusion Technology</i> , Vol. 28, No. 4, November, (1995), pp. 1697–1719. (Internet Publication Date: Nov. 1, 2001.)
3. Mills et al., "Dihydrino Molecule Identification," <i>Fusion Technology</i> , Vol. 25, 103-119 (Jan. 1994). (Internet Publication Date: April 11, 2001.).
Mills Technologies. "1KW Heat Exchanger System." <i>Thermacore, Inc.</i> , Oct 11 1991, pp. 1-6
Mills Technologies. "1KW Heat Exchanger System." <i>Thermacore, Inc.</i> , April 17, 1992, pp. 1-6
Mills, "Classical Quantum Mechanics." <i>Physica Scripta</i> , submitted.
Mills, "The Grand Unified Theory of Classical Quantum Mechanics," (2001), Distributed by Amazon.Com.
Mills, et. al. "Excess Heat Production...Cold Fusion." <i>Fusion Technology</i> , Vol 20, Feb 1991, pp. 65-81.
Mills, et. al. <i>Fusion Technol.</i> Vol.20, 65 (1991). Internet Publication Date 4/11/01
Mills, "Author's response 'A possible trick of Hydride atom'," <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, p. 1225.
Mills, "BLACKLIGHT POWER TECHNOLOGY: A New Clean Energy Source with the Potential for Direct Conversion to Electricity," <i>International Conference on Global Warming and Energy Policy</i> , Ft. Lauderdale, Florida, November 26-28, 2000. Internet Publication 1/19/01
Mills, "Hydro catalysis Power Technology," <i>Statement of Dr. Randell L. Mills</i> , May, 1993.
Mills, "The Grand Unified Theory of Classical Quantum Mechanics," pp. 1-9
Mills, "Unification of Spacetime, the Forces, Matter, Energy, Hydro catalysis Power Corporation," 1992, pp. 53-84.

Mills, "Author's response to 'Hydrino atom: novel chemistry or invalid physics'," <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, pp. 1233.
Mills, "Author's response to 'Hydrino theory- a proposed amendment'," <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, pp. 1229-1231.
Mills, "Power Spectrum of the Cosmic Microwave Background" <i>BlackLight Power, Inc.</i> 2001.
Mills, "The Grand Unified Theory of Classical Quantum Mechanics," pp. 13-14, BlackLight Power, Inc., pp. 433-440, 2001.

Letter from Shelby T. Brewer to The Honorable James E. Rogan, December 21, 2001 and PTO response from Jason C. Roe, April 24, 2002 (see Attachment A)
PARK, "Patent Nonsense, Court Denies Blacklight Power Appeal," What's New, September 6, 2002, www.aps.org.WN/WN02/wn090602.html (see Attachment C)
RANDI, "Houdini and the Rabbi, The Patent Office Again, A Perpetual Motion/Emotion Car Breaks Down...", Swift, September 20, 2002, www.randi.org/jr/092002.html (see Attachment C)
VOSS, "New Physics' Finds a Haven At the Patent Office," Science, Vol. 284, pp. 1252-1254, May 21, 1999 (see Attachment D)
PTO Memorandum For All Employees: Media Contact Policy from Acting Assistant Secretary of Commerce and Acting Commissioner of patents and Trademarks, June 22, 1999
Letter from Jeffrey S. Melcher to Ms. Esther Keppinger, February 28, 2000 (see Attachment G)
Internet Discussion Forum, "Two Brand New Papers out at BLP's "What's New" page," message No. 7191 on Hydrino Study Group, http://groups.yahoo.com/group/hyrino/message/7191 , September 27, 2003 (see Attachment H)
Internet Discussion Forum, "Even Skeptics can lose Objectivity," message No. 7410 on Hydrino Study Group, http://groups.yahoo.com/group/hyrino/message/7410 , October 27, 2003 (see Attachment H)
Internet Discussion Forum, "Two Competing Views of Reality Engage in a Battle for Total Control of Our Physics Paradigm," Hydrino Study Group, http://www.hydrino.org (see Attachment H)
Internet Discussion Forum, "Zimmerman's APS Centennial Meeting Talk," Transcript from Tom Stolper, November 10, 2003 (see Attachment H)
Internet Discussion Forum, "Zimmerman's APS Centennial Meeting Talk," Transcript from Peter Zimmerman and Tom Stolper, October 29, 2003 (see Attachment H)
Internet Discussion Forum, "Zimmerman's APS Centennial Meeting Talk," Transcript from Tom Stolper, October 28, 2003 (see Attachment H)
Internet Discussion Forum, "HSG: Even skeptics can lose objectivity," Transcript from Steve Menton, October 26, 2003 (see Attachment H)
Internet Discussion Forum, "HSG: Zimmerman's Insincere Questions," Transcript from Peter

Zimmerman and Steve Menton, September 25, 2003 (see Attachment H)
Internet Discussion Forum, "Re: Re: Zero Electrostatic Self-Interaction Justified," Transcript from Peter Zimmerman, May 22, 2003 http://groups.yahoo.com/group/hydrino/message/6052 (see Attachment H)
Internet Discussion Forum, "HSG: Re: Bool Review by Dr. John Farrell," Transcript from Peter Zimmerman, February 23, 2004 (see Attachment H)
"Regarding PZ's Departing Post," includes many public posts on hydrino study group. pp 1-75 (see Attachment I)
PARK, "Perpetual Motion: Still Going Around," Special to the Washington Post, January 12, 2000, Page H03 (see Attachment J)
Letter from Jeffrey S. Melcher to Ms. Esther Kepplinger with Attachments A-E, January 19, 2001(see Attachment K)
PLATT, "Testing the Current," The Washington Post, June 25, 2000, Page X05 (see Attachment M)
USPTO Communication re Interview scheduled for February 21, 2003, February 12, 2001(see Attachment N)
Letter from Senator Ron Wyden to The Honorable Todd Q. Dickinson with attachments, April 5, 2000 (see Attachment O)
Letter from Senator Robert G. Torricelli to Nicholas P. Godici with attachments, July 20, 2001(see Attachment O)
Letter from Senator Jon S. Corzine to The Honorable Todd Q. Dickinson with attachments, August 2, 2001 (see Attachment O)
Letter from Senator Max Cleland to Ms. Jane Cooksey with attachments, March 24, 2000 (see Attachment O)
Letter from Senators Max Cleland and Ron Wyden to Chairman Patrick Leahy, December 20, 2001 (see Attachment O)
Letter from Senators Max Cleland and Ron Wyden to The Honorable Donald L. Evans, December 20, 2001 (see Attachment O)
Letter from Senators Jon S. Corzine and Robert G. Torricelli to The Honorable Donald L. Evans, December 21, 2001 (see Attachment O)
Email re Interview Summary from Jeffrey Simenauer to Ted Liu, February 13, 2003 (see Attachment P)

"APS E-Board Passes Resolution on Perpetual Motion Machines," APS NEWS ONLINE, August/September 2002, <http://www.eps.org/aps/apsnews/0802/080212.html> (see Attachment Q)

Letter from Elizabeth Barlow to John Allen, March 17, 2004 (see Attachment R)

Letters from John Allen to Office of Counsel, US Department of Commerce with attachments, May 12, 2003, June 7, 2003, and March 10, 2004 (see Attachment R)

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	09/362,693
				Filing Date	07/29/99
				First Named Inventor	Mills
				Group Art Unit	1754
Examiner Name	Langel				
Sheet	1	of	3	Attorney Docket Number	62-226-9A2

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code* (if known)			
		3,253,884		Jung, et al	05-31-1966	
		4,353,871		Bartlett, et al	10-12-1982	
		4,702,894		Cornish	10-27-1987	
		4,808,286		Angelo, II	02-28-1989	
		5,593,640		Long, et al	01-14-1997	
		4,337,126		Gilligan, III et al	06-29-1982	
		4,155,712		Taschek	02-22-1979	
		5,789,744		Spence et al	08-04-1998	

FOREIGN PATENT DOCUMENTS								
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		Barton, et al, "Investigating Radio Frequency Plasmas Used for the modification of Polymer Surfaces." <i>J. Phys. Chem. B</i> , Vol 103, 1999, pp. 4423-4430.	
		Bogaerts, et al. "Effects of adding hydrogen to an argon glow discharge: overview of relevant processes and some qualitative explanations." <i>Journal of Analytical Atomic Spectrometry</i> , March 2000.	
		Dery, et al. "Effect of Dielectric Constant, Cavities in Series and Cavities in Parallel on the Product Distribution of the Oligomerization of Methane via Microwave Plasmas." <i>J. Phys. Chem.</i> , Vol 100, 1996, pp. 17866-17872.	
		Roberts, et al. "Hydrogen Balmer alpha line shapes for hydrogen-argon mixtures in a low-pressure rf discharge." <i>J. Appl. Phys.</i> , Vol 74, No 11, December 1993.	
		Videnovic, et al. "Spectroscopic investigations of a cathode fall region of the Grimm-type glow discharge." <i>Spectrochimica Acta Part B</i> , Vol 51, 1996, pp. 1707-1731.	

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		Radavanov, et. al. "Ion Kinetic-Energy Distributions and Balmer- α Excitation in Ar-H ² Radio-Frequency Discharges" J. Appl. Phys. Vol. 78, No. 2, pp. 746-756, July 1995.	
		Thorne, et. al., "Recombination during the Electrolysis of Light Water in 0.6 M K ₂ CO ₃ Can It Account for the Reports of Excess Heat?" Departments of Physics and Chemistry, Brigham Young University, June 1993.	
		Beiser, A. <i>Concepts of Modern Physics</i> , Fourth Edition, McGraw-Hill Book Company, New York, 1978, p. 407.	
		Boniface, et. al. "Calorimetry for a Ni/K ₂ CO ₃ Cell." AECL Research, June 1994.	
		Bradford. "A Calorimetric Investigation of the Reaction of Hydrogen with Sample PSU #1." A Confidential Report submitted to Hydrocatalysis Power Corporation, September 1994.	
		Clark, et. al. "Excess Energy Cell Final Report." April 1995.	
		Evans, et. al. "Time-of-Flight Secondary Ion Mass Spectroscopy (TOF-SIMS) Surface Analysis Report." CE & A Number 40150, March 1994.	
		Evans, et. al. "XPS/ESCA Results." CE & A Number 44545, Nov 1994.	
		Gernert, et. al. "Anomalous Heat From Atomic Hydrogen in Contact with Potassium Carbonate." Thermacore, Inc.	
		Haus. "On the radiation from point charges." <i>American Journal of Physics</i> , Vol 54, No 12, December 1986. Pp. 1126-1129.	
		Jansson. "Hydrocatalysis: A New Energy Paradigm for the 21 st Century." A Thesis, Master of Science in Engineering Degree in the Graduate Division of Rowan University, May 1997.	

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		Jacox, et. al. "INEL XPS Report." Idaho National Engineering Laboratory, EG & G Idaho, Inc., Nov 1993.	
		Karapulus and Porter. <i>Atoms and Molecules: An Introduction for Students of Physical Chemistry</i> , The Benjamin/Cummings Publishing Company, Menlo Park, California, 1970, p. 567.	
		Kline-Anderson, Inc. "Review of Schedule and Resource Requirements to Develop a Hydrocatalysis Functional Prototype Unit." Final Report for Technology Insights, Oct 1996.	
		Kurtz, et. al. "Report on Calometric Investigations of Gas-Phase Catalyzed Hydrino Formation." Hydrocatalysis Power Corp. Report, December 1996.	
		Peterson. "Evaluation of Heat Production from Light Water Electrolysis Cell of Hydrocatalysis Power Corporation." Draft, <i>Westinghouse STC</i> , Feb 1994.	
		Phillips, et. al. "Additional Calorimetric Examples of Anomalous Heat From Physical Mixture of K/Carbon and PD/Carbon." Consulting Report, Jan 1996.	
		Technology Insights. "Draft: Hydrocatalysis Technical Assessment." PACIFICORP, Aug 1996.	
		Thermacore, Inc. "SBIR Phase I Nascent Hydrogen: An Energy Source." Final Report, March 1994.	
		Weisskopf, V.F. "Recent developments in the theory of the electron." <i>Reviews of Modern Physics</i> , Vol 21, No 2, 1949, pp. 305-315.	
		Durr, et. al. "Origin of quantum-mechanical complementarity probed by a 'which-way' experiment in an atom interferometer." <i>Nature</i> , Vol 395, September 3, 1998, pp. 33-37.	

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		H. Conrads, R. Mills, Th. Wrubel, "Emission in the Deep Vacuum Ultraviolet from an Incandescently Driven Plasma in a Potassium Carbonate Cell", Plasma Sources Science and Technology, submitted.	
		R. L. Mills, P. Ray, "Stationary Inverted Lyman Population Formed from Incandescently Heated Hydrogen Gas with Certain Catalysts", Chem. Phys. Letts., submitted.	
		R. L. Mills, B. Dhandapani, J. He, "Synthesis and Characterization of a Highly Stable Amorphous Silicon Hydride", Int. J. Hydrogen Energy, submitted.	
		R. L. Mills, A. Voigt, B. Dhandapani, J. He, "Synthesis and Characterization of Lithium Chloro Hydride", Int. J. Hydrogen Energy, submitted.	
		R. L. Mills, P. Ray, "Substantial Changes in the Characteristics of a Microwave Plasma Due to Combining Argon and Hydrogen", New Journal of Physics, submitted.	
		R. L. Mills, P. Ray, " High Resolution Spectroscopic Observation of the Bound-Free Hyperfine Levels of a Novel Hydride Ion Corresponding to a Fractional Rydberg State of Atomic Hydrogen", Int. J. Hydrogen Energy, in press.	
		R. L. Mills, E. Dayalan, "Novel Alkali and Alkaline Earth Hydrides for High Voltage and High Energy Density Batteries", Proceedings of the 17 th Annual Battery Conference on Applications and Advances, California State University, Long Beach, CA, (January 15-18, 2002), in press.	
		R. Mayo, R. Mills, M. Nansteel, "On the Potential of Direct and MHD Conversion of Power from a Novel Plasma Source to Electricity for Microdistributed Power Applications", IEEE Transactions on Plasma Science, submitted.	

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		R. Mills, E. Dayalan, P. Ray, B. Dhandapani, J. He, "Highly Stable Novel Inorganic Hydrides from Aqueous Electrolysis and Plasma Electrolysis", Japanese Journal of Applied Physics, submitted	
		R. L. Mills, P. Ray, B. Dhandapani, J. He, "Comparison of Excessive Balmer Line Broadening of Glow Discharge and Microwave Hydrogen Plasmas with Certain Catalysts", Chem. Phys., submitted.	
		R. L. Mills, P. Ray, B. Dhandapani, J. He, "Spectroscopic Identification of Fractional Rydberg States of Atomic Hydrogen", J. of Phys. Chem. (letter), submitted.	
		R. L. Mills, P. Ray, B. Dhandapani, M. Nansteel, X. Chen, J. He, "New Power Source from Fractional Rydberg States of Atomic Hydrogen", Chem. Phys. Letts., submitted.	
		R. L. Mills, P. Ray, B. Dhandapani, M. Nansteel, X. Chen, J. He, "Spectroscopic Identification of Transitions of Fractional Rydberg States of Atomic Hydrogen", Quantitative Spectroscopy and Energy Transfer, submitted.	
		R. L. Mills, P. Ray, B. Dhandapani, M. Nansteel, X. Chen, J. He, "New Power Source from Fractional Quantum Energy Levels of Atomic Hydrogen that Surpasses Internal Combustion", Spectrochimica Acta, Part A, submitted.	
		R. L. Mills, P. Ray, "Spectroscopic Identification of a Novel Catalytic Reaction of Rubidium Ion with Atomic Hydrogen and the Hydride Ion Product", Int. J. Hydrogen Energy, in press.	

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		R. Mills, J. Dong, W. Good, P. Ray, J. He, B. Dhandapani, "Measurement of Energy Balances of Noble Gas-Hydrogen Discharge Plasmas Using Calvet Calorimetry", Int. J. Hydrogen Energy, in press.	
		R. L. Mills, A. Voigt, P. Ray, M. Nansteel, B. Dhandapani, "Measurement of Hydrogen Balmer Line Broadening and Thermal Power Balances of Noble Gas-Hydrogen Discharge Plasmas", Int. J. Hydrogen Energy, in press.	
		R. Mills, P. Ray, "Vibrational Spectral Emission of Fractional-Principal-Quantum-Energy-Level Hydrogen Molecular Ion", Int. J. Hydrogen Energy, in press.	
		R. Mills, P. Ray, "Spectral Emission of Fractional Quantum Energy Levels of Atomic Hydrogen from a Helium-Hydrogen Plasma and the Implications for Dark Matter", Int. J. Hydrogen Energy, Vol. 27, No. 3, (2002) pp. 301-322.	
		R. Mills, P. Ray, "Spectroscopic Identification of a Novel Catalytic Reaction of Potassium and Atomic Hydrogen and the Hydride Ion Product", Int. J. Hydrogen Energy, Vol. 27, No. 2, (2002), pp. 183-192.	
		R. Mills, "BlackLight Power Technology-A New Clean Hydrogen Energy Source with the Potential for Direct Conversion to Electricity", Proceedings of the National Hydrogen Association, 12 th Annual U.S. Hydrogen Meeting and Exposition, <i>Hydrogen: The Common Thread</i> , The Washington Hilton and Towers, Washington DC, (March 6-8, 2001), pp. 671-697.	
		Keith Keefer, Ph.D., "Interim Report on BlackLight Power Technology: Its Apparent Scientific Basis, State of Development and Suitability for Commercialization by Liebert Corporation."	
		R. Mills, "The Grand Unified Theory of Classical Quantum Mechanics," (2001), Distributed by Amazon.Com.	

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